stock catalog

seattle city light
june 2012

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www.seattle.gov/light/engstd

Seattle City Light

2012
stock catalog

Welcome to your 2012 edition of the Stock Catalog.

Seattle City Light's standards, consisting of Construction Standards, Material Standards, Network Construction Standards, and the Stock Catalog, define the utility's best practices. Compliance with these standards is mandatory for City Light employees and contractors. Your cooperation is critical and essential to our success.

Phil West, Customer Services-Energy Delivery Officer

Seattle City Light
Stock Catalog

Published by the Seattle City Light Standards Group

Stock Catalog Version 2012

Prepared by Rick Rice and Patti Berg

Seattle City Light Standards Group
Seattle, Washington
June 2012

This year marks the 50th Anniversary of the Seattle World's Fair, held from April 21st through October 21st of 1962. That occasion brought us many, many images that continue to have a hold on our imaginations, images that evoke space, modernity and progress. The most well-known icon from that time is the Space Needle, now a major landmark of the Pacific Northwest region of the United States and an identifyer for Seattle itself.

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Rick Rice

Rick Rice began with Seattle City Light in 1998 as a TES supporting Network Engineering. In 1999 he was offered a permanent position and joined Standards.

Rick's dedication, hard work, attention to detail, and artistry can be seen in virtually every product Standards has produced over the last thirteen years. Rick has been as proud of the accuracy and completeness of our subject indexes as he was of the standards manual covers he designed.

Our standards look great largely because Rick created a style (moving target though it was) and encouraged us to follow it. Rick contributed to Standards by filling in for the incoming material inspector and acting as the Network Standards Committee meeting secretary for ten years. Rick also brought us into the 21st century by arranging for our standards to be available on the Internet. Rick will retire in July 2012 and will be sorely missed.

warehouse and tool room contacts

City Light Warehouse contact information:

Boundary Warehouse

Brad Larson, Senior Warehouser
Pax 28-3326
509-446-3438
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North Service Center, N-6, 205
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Rosauro Cayetano
206-386-1707
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Tool Rooms, NSC and SSC

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206-684-4202
irene.weiland@seattle.gov

NSC tool room
Brian Russell, Custodian
206-684-4262

SSC tool room
Beverly Lewis, Custodian
206-386-1927

grounding standards committee

The Grounding Standards Committee serves to share information and solve problems related to grounding standards and practices.

If you have a grounding standards-related question or problem, please bring it to the attention of a member of the Grounding Standards Committee.

The Grounding Standards Committee meeting is held the third Tuesday of each month, from 10:00 a.m. until 12:00 p.m. Check with Standards to confirm time and place. *Note, security requires that those without keycard rights obtain a pass on the 32nd floor to reach City Light offices and meeting rooms.*

At the present time, the following employees are serving on the committee by generously lending their time, knowledge, and experience:

Asset Management
Dave Albergine

Electrical Reviewers
Tommy Edwards
Rob Youngs

Energy Delivery
Jeff Joy

Network Construction
Lester Eastlick
John Hansen

Network Engineering
John Barnett
Hamed Zadehgol

North Distribution Design
Dave Russo

North Electrical Services and Construction
Skip Allen

South Distribution Design
Tom Caddy
Kevin McClaskey

Streetlight Engineering
Steve Crume

Substations
Portia Romero

Transmission
Bob Risch

Standards Group
Aida Diop
Brett Hanson, chair and clerk
Curtis Lu
Todd Oki
John Shipek
Quan Wang

looped radial standards committee

The Looped Radial Standards Committee serves to share information and solve problems related to all facets of the overhead and underground distribution systems.

If you have a standards-related question or problem, please bring it to the attention of a member of the Standards Committee.

The Looped Radial Standards Committee meeting is held the second Tuesday of each month, from 9:00 a.m. until 11:30 a.m. Check with Standards to confirm time and place. *Note, security requires that those without keycard rights obtain a pass on the 32nd floor to reach City Light offices and meeting rooms.*

At the present time, the following employees are serving on the committee by generously lending their time, knowledge, and experience:

Capital Projects
Dave Albergine

Customer Care
Nancy Robb

Compatible Units
Jim Maloney

Electrical Reviewers
Tommy Edwards
Rob Youngs

Electric Service Engineering
Ken Holder
Abdi Yussuf

Energy Delivery
Jeff Joy

Engineering
John Barnett

Environmental
Larry Garcia

Material Control
Jenee Halse

North Distribution Design
Eivind Perander
Dave Russo

North Electrical Services and Construction
Michael Brooks

South Distribution Design
Chris Detter
Christine Knowlton
Francis Sammy

South Electrical Services and Construction
Walt Aho
Tom Caddy
Bob Stewart
Jason Trotter

Standards Group
Aida Diop
Brett Hanson
Curtis Lu
Todd Oki
John Shipek, chair
Quan Wang, clerk

Streetlight Engineering
Steve Crume

network standards committee

The Network Standards Committee serves to share information and solve problems related to all facets of the Network system.

If you have a Network standards-related question or problem, please bring it to the attention of a member of the Network Standards Committee.

The Network Standards Committee meeting is held the third Thursday of each month, from 9:00 a.m. until 11:30 a.m., in the Seattle Municipal Tower Conference Room 3613. Check with Standards to confirm time and place. *Note, security requires that those without keycard rights obtain a pass on the 32nd floor to reach City Light offices and meeting rooms.*

At the present time, the following employees are serving on the committee by generously lending their time, knowledge, and experience:

Electrical Reviewers
Tommy Edwards
Rob Youngs

Environmental
Larry Garcia

Energy Delivery
Jeff Joy

Material Control
Marsha Greenfield

Network Construction
Arne Armfield
Lester Eastlick
Cris Francisco
John Hansen

Network Engineering
Shayan Arya
John Barnett
Mehari Gebrewold
Kosea Kalebu
Hamed Zadehgol

Standards Group
Aida Diop
Brett Hanson, clerk
Curtis Lu, chair
Todd Oki
John Shipek
Quan Wang

The City Light *Material Standards* as well as other Standards documents are available, on-line, through your computer system. The on-line versions of the *Construction Standards, Design Standards, Material Standards*, and *Stock Catalog* include the most recent updates and revisions.

Revisions

Updates and revisions are made about twice a month. ***To make sure you have the latest copies of the Standards documents, please refer to the on-line versions.*** To obtain an email announcement on the release of revisions of Standards documents, please send a request to standards.scl@seattle.gov. Write "revision announcement" in the subject line.

The Red Page on the City Light Computer Network

An electronic copy of the City Light Standards can be viewed on your City Light computer by opening the City Light Standards Publications intranet files from the Red Page on City Light's computer network. The Red Page is an Adobe Acrobat PDF file from which you can search and access all of the published Standards documents. Obtain access to the Red Page by asking the Help Desk (684-3766) to add the Standards Publications NAL icon ("home101") to your Start Menu. You will need Adobe Acrobat Reader to display the Red Page documents.

The Red Page NAL icon contains programming that helps you set up searches, but in doing a search from the Red Page, please remember to select "Currently Selected Indexes" on the "Advanced Search Option" menu.

Contact Patti Berg at City Light Standards Publications with questions about getting the Red Page.

Electronic Whole Volumes

For internal City Light users, the Adobe Acrobat files of the Standards books are avaliable from the Red Page under "View Standards Volumes" and may be printed. Volumes are revised as documents are updated (the front cover has the date of the most recent update). As of May 2012 the most recent whole volumes, including revisions, are available from the Red Page:

- *Civil Crew Handbook of Selected Standards (May 2009)*
- *Field Standards -- Construction Standards, Work Practices, and Operations Standards volume one (0000-1799, D1-D16, U1-U5)**
- *Field Standards -- Construction Standards, Work Practices, and Operations Standards volume two (U7-U13, DU, E, S, SL, Network)**
- *Design Standards (August 2010)*
- *Looped Radial Crew Handbook of Selected Standards (September 2011)*
- *Material Standards volume 1 (June 2012)*
- *Material Standards volume 2 (June 2012)*
- *Network Crew Handbook of Selected Standards (June 2011)*
- *Stock Catalog (June 2012)*

** The two on-line Field Standards volumes contain all active Construction Standards, Network Construction Standards, Work Practices, and Operations Standards, even those not included in the "Handbook" series (above). The Construction Standards (Guidelines) and Network Construction Standards (Guidelines) are no longer printed as volumes in hard copy form -- see the "Handbook" series.*

City Light Standards on the World Wide Web

The Seattle City Light Standards Publications web site on the World Wide Web is available through your web browser. Type the following into the address field of your web browser: http://www.seattle.gov /light/engstd/. For all on-line Standards documents, the www web site offers electronic copies of the pages found in your printed version and they may be more up-to-date. The on-line documents are updated for revisions and additions (about twice a month) on the same schedule as City Light's intranet site plus one day. Not all Design Standards are made available on the SCL Standards web site.

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City Light Standards Book Distribution

City Light Standards Group provides printed books for internal City Light users if you are on the distribution list (see column to the right). Digital files are available for printing all the Standards books. For internal City Light users, the Adobe Acrobat files of the Standards books are also avaliable from the Red Page (see previous page) under “View Standards Volumes” and may be printed.

Purchase City Light Standards Books

Anyone can order the Standards books from Zebra Print and Copy, 206-223-1955, Columbia Center, Suite 307, 701 Fifth Avenue, Seattle, Washington 98104.

Ask Standards or Zebra Print and Copy which volumes are available. Check with the printing service for the current prices. Current editions:

- *Civil Crew Handbook of Selected Standards (May 2009)*
- *Design Standards (August 2010)*
- *Looped Radial Crew Handbook of Selected Standards (September 2011)*
- *Material Standards volume 1 (June 2012)*
- *Material Standards volume 2 (June 2012)*
- *Network Crew Handbook of Selected Standards (June 2011)*
- *Stock Catalog (June 2012)*

The Construction Standards and Guidelines were last published in hard copy form in 2008, titled *Construction Guidelines* and *Network Construction Guidelines*. Now Construction Standards and Guidelines in the hard copy form are found in the Handbook series – see above (for example the *Network Crew Handbook of Selected Standards*). For a complete source of all active Construction Standards, Network Construction Standards, Work Practices, and Operations Standards, see the previous page.

Book Request for City Light Employees

For future publication cycles, City Light employees may request to be added to the distribution list for Standards books. Employees who are on the list receive email invitations to order and receive books. Send a request (for example, send an email to standards.scl@seattle.gov and write "printed books" in the subject line).

If you are ordering books for a group, identify yourself as the order lead and coordinate with the group to make sure duplicate orders are not submitted. *Copy this page, fill out the information and send it in or just email us (*standards.scl@seattle.gov*).*

- *City Light employee name*
- *email address*
- *org unit number*
- *complete mail delivery address*
- *internal mail delivery stop*
- *phone number*
- *number of books (quantity) of each*
- *type of binding for each volume (coil, three ring binder, or three hole punched pages without a binder)*

Updates

For the latest revisions of the Standards publications, we continue to encourage users to rely on one of the on-line access sites, either the www.seattle.gov/light /engstd/ site or the Standards Red Page. The revision date (effective date) is listed on each document. Standards documents are revised throughout the year and the on-line versions will reliably keep you up-to-date.

To obtain an email announcement on the release of revisions to the Standards documents, please send a request to standards.scl@seattle.gov. Write "revision announcement" in the subject line.

an informal primer for prospective distributors, manufacturers, and their representatives

Figure out what kinds of things we buy. We generally cannot spend time browsing through manufacturers' catalogs looking for things that they might wish to sell us; that is the job of the manufacturers and their sales forces.

If a certain type of part is not in our Stock Catalog, which lists about 5,000 stock items, we do not regularly stock it. Our tool rooms and substation people do buy some non-stock material, but the Standards Group is not involved in those purchases.

You may view and print pages from our Stock Catalog and Material Standards online at our Web site: www.seattle.gov/light/engstd. Look in the previous section (Printed Standards Publications) to find out how to obtain copies of the City Light Stock Catalog and Material Standards.

Our distribution system has higher voltages and higher fault currents than that of many other utilities. We do not buy or use any regulators, reclosers, or in-line disconnects. Our underground distribution system is truly underground for the most part, and submerged in water. We do not buy very many pedestal or padmounted components.

Figure out whether or not your product meets our specifications. If you see in the Stock Catalog listing a reference to an "SCL Matl. Std." followed by a number with 4 digits before a decimal point and one or more following numerals, then read that Material Standard, also available online. Please make sure that your product meets all City Light Material Standard specifications.

If you think you have something that meets our existing requirements, or if you believe that you have a novel item that will save us time or money but which does not match up to any of our existing items, we will consider it. Fill out a Material Evaluation form (available from the Red Page) for each City Light Stock Number for which you wish approval. Please also supply us with a list of other electric utility users, with the contact names and telephone numbers of individuals there. We may request that you submit a sample to Standards along with a Material Evaluation form.

Before coming in to the Standards office to discuss a product, it is requested that you contact someone in the Standards Group and set up an appointment. Please do not contact our field personnel or other City Light employees unless it is at our request.

All chemical products must be accompanied by an MSDS.

Our evaluation may include a review of technical and test data, visual inspection of the item, discussion in Standards Committee(s), field evaluation by electrical workers, inquiries to other utilities, and laboratory testing. Some items require approval by our Environmental or Safety Units. The process may take several months. You will be informed of our decision at the end of the process.

The above is an informal summary. Procedures may vary depending upon the item, e.g., we don't want you to bring a sample of a padmount switch or a utility pole into our office. Sometimes we list items in our Stock Catalog and/or Material Standards that have almost no usage, and it may be determined that is neither worth your time nor ours to go through the evaluation process. You are welcome to contact Standards or Material Control to inquire about our annual usage for particular Stock Numbers.

You may always phone or e-mail to ask questions. The Standards Group tries to be helpful and fair.

It is important that all B.O. (bad order) parts, apparatus, equipment, or devices be properly tagged and promptly sent to Quality Assurance.

The tag (copies in the Stock Catalog) should include the following information:

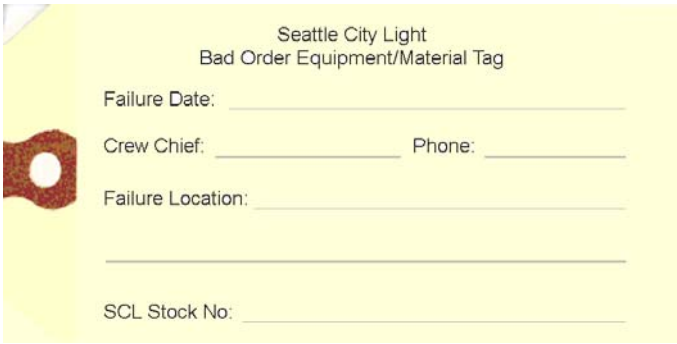
- *Date of failure*
- *Name of Crew Chief or electrical worker and their telephone number*
- *Location of failure*
- *Stock Number of the part*
- *Nature of problem or description of failure*

Please send B.O. equipment to:

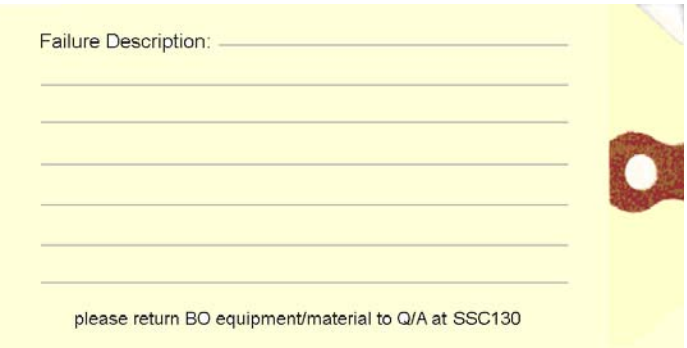
Q/A (Quality Assurance)
SSC130
Todd Oki or Quan Wang
(206) 386-1896 or (206) 386-1785

See your Stock Catalog for Bad Order Equipment/Material Tags

Front of Bad Order Equipment/Material Tag:



Back of Bad Order Equipment/Material Tag:



Seattle City Light
Bad Order Equipment/Material Tag

Failure Date: .....

Crew Chief:..... Phone: .....

Failure Location:.....

.....

SCL Stock No: .....

Seattle City Light
Bad Order Equipment/Material Tag

Failure Date: .....

Crew Chief:..... Phone: .....

Failure Location:.....

.....

SCL Stock No: .....

Seattle City Light
Bad Order Equipment/Material Tag

Failure Date: .....

Crew Chief:..... Phone: .....

Failure Location:.....

.....

SCL Stock No: .....

Seattle City Light
Bad Order Equipment/Material Tag

Failure Date: .....

Crew Chief:..... Phone: .....

Failure Location:.....

.....

SCL Stock No: .....

Failure Description: .....

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please send BO equipment/material to QA at SSC B116

Failure Description: .....

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please send BO equipment/material to QA at SSC B116

Failure Description: .....

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.....

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please send BO equipment/material to QA at SSC B116

Failure Description: .....

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please send BO equipment/material to QA at SSC B116

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Always check all references: in some cases, for example, in a Material Standard, only one item may appear, but there may be additional items without Material Standard references that will appear in the Stock Catalog column on the next line.

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base, *see streetlight base*		
cable tie mount	none	73-40
insulator, 115 kV	6901.55	69-26
insulator, 230 kV	6901.57	69-26
insulator, neutral bus support	6908.2	70-29
meter, *see meter*		
battery		
distilled water	none	75-4
dry cell	none	76-21
beacon, aircraft hazard	none	50-45
bee spray	none	11-16
bell, door	none	73-27
Belden braid	none	60-28
Beloit, conductor	6010.10	60-24
bend, conduit		
aluminum, 90 degree	7343.5	73-65
conduit, elbows	7015.05	73-50
fiberglass, elbows, sweeps	7025.05	73-62
flexible	none	73-8
PVC	7015.05	73-50
steel, elbows, sweeps	7050.05	73-70
thinwall	none	73-5
bibb (bibbcock)	none	71-8
biohazard container	none	76-12
bird protection, *see wildlife protection*		
biscuit, firestop plug	none	70-53
bit		
auger	none	76-28
bit	none	76-28
brace	none	76-28
Blackburn	6780.0	65-11
blade		
disconnect, cutout	none	68-3
hacksaw	7604.6	76-38
measuring tape	none	76-32
blanket		
fire extinguishing	none	11-2
insulating, rubber	none	76-3
pin for insulating blanket	none	76-3
rescue, Mylar	none	11-1
welding	none	76-40
block		
identification strip	none	20-9
terminal, DIN modular system	2903.20	20-11
terminal, heavy duty, 600 volt	2903.1	20-9
board		
insulation	none	73-39

board, *continued*	matl std	stk cat
lamp, switchboard	none	73-30
number board bracket	5632.5	56-5
number board mounting screw	none	78-9
number, shop made	none	none
program, Hazeltine Model 2391	none	70-39
switchboard terminal	none	65-28
wall, building material	none	72-9
bolt		
Aladdin arm	none	57-10
Aladdin arm, ballast	none	57-10
aluminum, hex	7846.10	78-12
anchor for bolt, flush mount	7801.10	78-2
anchor bolt, streetlight	none	57-23
anchor bolt, stud, masonry	7800.9	78-3
anchor, spring toggle	7801.4	78-4
barrel, door/window lock	none	72-11
carriage, with nut	7804.1	78-20
cutter	none	76-1
double-arming	5605.1	56-14
earthquake anchor, expansion	none	78-2
electrical connection, Al-Al and Al-Cu	7846.10	78-12
electrical connection, silicon bronze	7845.1	78-18
expansion	7800.9	78-3
	several	78-2
eye, oval	5610.1	56-14
hex, Al	7846.10	78-12
hex, steel	7847.1	78-17
IWCB, connection	7846.10	78-12
kit, prepackaged bolted electrical connections	7820.0	78-12
Kwik, stud	7800.9	78-3
load limiter, shear	none	69-78
machine, square head with square nut	7807.1	78-19
nuts	several	78-21
seismic anchor, expansion	none	78-2
shear, steel	none	69-78
silicon bronze	7845.1	78-18
square head	7807.1	78-19
steel, hex	7847.1	78-17
steel, hex, high strength	7847.2	78-18
streetlight base, with nut, anchor	none	57-23
stud for line post insulators	6901.31	69-66
toggle	7801.4	78-4
trunion, for insulator	none	69-66
window, lock	none	72-11
bolt cutter, and jaws	none	76-1
bonding, electrical interconnecting conductive parts, *see grounding*		
ball and socket	none	65-26
connector	6762.7	65-23
	6763.1	65-23
	5640.30	65-24
	5640.32	65-24
moulding, ground wire	none	56-13
moulding, staples	5832.9	78-5
rod	5642.10	56-13
strap	none	56-13
boot, breakout, multi-leg	7374.80	73-37

	matl std	stk cat
boot, bushing	6863.17	70-71
boot cover		
heat shrink	7374.80	73-37
separable connector, mud	6864.03	70-7
boot, footwear, cover		
asbestos	none	11-92
PCB	none	11-92
boot, footwear, rubber	none	76-4
box		
alley can	none	70-26
fuse storage	none	68-3
junction, loadbreak	6864.07	70-4
junction, deadbreak	6864.17	70-11
	6863.17	70-67
junction	none	73-18
keylock, meter	none	40-2
metering cabinet	6828.8	70-26
outlet, receptacle	none	73-17
	none	73-18
	none	73-19
switch	none	73-17
	none	73-18
transformer enclosure	7205.1	70-26
brace		
cluster mounting bracket	5632.90	56-6
crossarm, angle (“V” brace)	5630.1	56-4
crossarm, five-foot	5630.3	56-4
crossarm, flat	5630.1	56-4
crossarm, pipe, nine-foot	5630.5	56-4
crossarm, pipe, twelve-foot	5630.5	56-4
crossarm vertical spacing	5630.7	56-4
“H” structure	5400.00	50-20
wood boring, tool	none	76-28
bracket, *see bracket, lighting*		
adapter, parallel cables to single arrester	5632.10	56-5
arrester	none	56-5
	none	70-45
banner	none	57-4
bracket arm, lighting	none	57-4
bracket arm, luminaire	5705.1	57-4
	5705.2	57-4
	5705.3	57-4
	none	57-4
cable below termination	none	56-5
cable racks, underground vault	7216.7	70-40
cable support, armored cable	none	70-42
cable support, assembly, horizontal	7206.12	70-42
cable support, assembly, vertical	6880.00	70-31
cable support, channel adapter	7206.09	70-42
cable support, hook	7206.2	70-40
cable support, pole-mounted, “J” bolt	7206.5	70-45
ceiling hanger	none	70-43
clamptop adapter	none	69-66
communications cable attachment	5631.1	56-4
communications, standoff	none	80-2
conduit, pole riser	6867.50	70-44

bracket, *continued*	matl std	stk cat
connector bar, offset limiters from cutouts	6849.1	68-9
crossarm mount	5632.12	56-5
cutout for contaminated areas, assembly, pole-mounted	5632.4	56-5
cutout, crossarm mounting	5632.12	56-5
cutout, pole mounting	5632.3	56-5
cutout, pole mounting, insulated	5632.2	56-5
extension, rack and transformer	5805.1	69-68
fire extinguisher	none	76-6
ground bus support	none	70-7
ground wire support	none	56-5
Hazeltine transmitter support rack	7206.3	70-39
hook, cable rack, epoxy	none	70-40
hook, cable rack, galvanized	7206.2	70-40
insulator brackets for IWCB	6808.11	70-29
insulator mounting, horizontal post	5632.7	69-68
insulator, post, pole-top	5632.06	69-68
“J” box, for loadbreak	none	70-7
“L”	none	70-7
line sectionalizer tool hook	none	56-5
LR, with spool	none	69-1
number board mounting	5632.5	56-5
photoelectric (PE) control, mounting	5693.2	57-21
pole riser, conduit	6867.50	70-44
pole top	5632.06	69-68
pole top adapter	none	69-66
pothead adapter	none	56-5
shelf	none	72-11
side arm, insulator mounting	none	69-68
side mount, insulator mounting, post or pin	5632.7	69-68
sign base, truck mount	none	76-10
splice support, 600 amp splice and tap	7206.11	70-42
spool insulator, secondary, with spool	6904.20	69-1
	6904.10	69-1
spool insulator, clevis wall mount	6904.10	69-1
standoff, communications	none	80-2
step, cable rack	7206.2	70-40
switch number board	5632.5	56-5
terminal pole	none	56-5
terminator	6862.0	70-45
transformer and rack extension for secondary racks	5805.1	69-68
transformer cluster mount	5632.90	56-5
transformer cluster mount, two transformers	5632.91	56-6
bracket, lighting		
arm, bronze	none	57-4
floodlight mounting	none	57-4
luminaire support for alley wall mounting, bracket arm	5705.3	57-4
luminaire support for Al pole, Al, bracket arm	none	57-4
luminaire support for metal pole, Al, bracket arm	5705.2	57-4
luminaire support for square pole, bracket arm	5705.3	57-4

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luminaire support for wood pole, Al, bracket arm	5705.1	57-4
cutout for contaminated areas, assembly, crossarm mounted	5632.11	56-5
luminaire support, davit type, Al pole, Al, bracket arm	none	57-4
photoelectric control mounting	5693.2	57-21
Valmont V type pole, bracket arm	none	57-4
brad	none	78-5
braid, copper	none	60-28
breakout boot	7374.80	73-37
brick, hatch/sump, concrete	none	70-33
Brooklyn, conductor	6010.10	60-24
broom	none	77-1
brown stuff, temporary splice protection cloth	none	70-19
brush		
acid	none	76-41
bus connector	none	76-47
cleaning	none	77-1
file	none	76-36
paint	none	76-47
scrub	none	77-1
solder	none	76-41
stencil	none	76-47
sweeping	none	77-1
wire	none	76-47
buck arm	5400.00	50-20
bucket	none	77-1
bucket, plastic	none	76-49
building materials	none	72-xx
building paper	none	72-9
bulb (lamp) type	none	73-29
bull line	7272.2	72-16
bull ring, single link	none	69-62
burlap sack	none	72-18
burn gel	none	11-1
burning tools	none	76-40
bus, *see IWCB*		
accessories for IWCB assembly	several	70-29
	several	70-30
bar, Al	none	60-40
bar, Cu	6300.0	60-40
bar, Cu, pipe/tube	6305.0	60-40
bar, Cu, standard underground vault	6303.00	60-40
base, neutral bus support	6908.2	70-29
connector plate for IWCB	6808.6	70-30
copper pipe and tube	6305.0	60-40
current transformer connector plate	6808.8	70-30
insulator brackets for IWCB	6808.11	70-29
insulator plate for IWCB	6808.7	70-29
insulator support, secondary	6968.1	70-29
insulator, bar support	6908.1	70-29
insulator, support, phenolic spool	6908.0	70-29
rail	6808.9	70-30
rail tie	6808.9	70-30

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support, insulator, bar	6908.1	70-29
tie switch connector plate	6808.12	70-30
bushing, electrical, *see separable connector, see terminator*		
13 kV network, straight apparatus with adapter ring	6862.10	70-75
26 kV CS transformer, with adapter ring	none	70-75
26 kV network transformer, 90 degree apparatus, 600 A	6863.5	70-75
26 kV network, adapter ring	6862.6	70-47
600 A bushing accessories, deadbreak	6863.17	70-71
90 degree, 13 and 26 kV system, clamped	6863.5	70-75
accessories, 600 A, deadbreak	6863.17	70-71
adapter ring gasket, 90 degree apparatus	6862.8	70-47
adapter ring, 90 degree	6862.8	70-47
	6862.9	70-47
adapter ring, 90 degree, clamping	6862.5	70-47
adapter ring, bolt-in, welded bushing	6862.01	70-47
	6862.10	70-47
	6862.6	70-47
adapter ring gasket	6862.01	70-47
	6862.5	70-47
	6862.6	70-47
adapter ring, welded to transformer	6862.5	70-47
bird guard for pole type transformer bushing	6910.10	56-80
bird guard gasket for bushing for pole type transformers	6862.7	56-78
boot, 600 A, deadbreak	6863.17	70-71
collar, 600 A, deadbreak	6863.17	70-71
cover mount, porcelain, with bird guard	none	69-42
extender, 600 A, deadbreak	6863.17	70-71
feed-thru insert, 200 A, deadbreak	6864.17	70-12
grounding, deadbreak	6864.17	70-13
grounding, loadbreak	6864.07	70-5
in-air, 600 A, deadbreak	6863.17	70-71
insert, 200 A, deadbreak	6864.17	70-12
insert, 200 A, loadbreak	6864.07	70-5
integral, 600 A, deadbreak	6863.17	70-71
integral, 900 A, deadbreak	6863.37	70-96
parking, 200 A, deadbreak	6864.17	70-13
parking, 200 A, loadbreak	6864.07	70-5
parking, 600 A, deadbreak	6863.17	70-71
T-splice, 200 A, deadbreak	6864.17	70-13
well, 200 A, deadbreak	6864.17	70-12
bushing, conduit		
connector fitting, neoprene	none	73-9
insulating	none	73-74
bushing, pipe	none	71-5
bus tie		
connector plate	6808.12	70-30
switch, network protector	none	30-3
	3322.5	30-3
butt splice, insulated	6771.30	65-28

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butt splice, non-insulated	6771.20	65-29
button hook, terminal lug	6786.00	65-11
buzzer, door	none	73-27
bypass plug, meter socket	none	40-2

C

cabinet		
catch, latching, building hardware	none	72-11
fire protection control and components	none	70-36
hasp, building hardware	none	72-12
hinge, building hardware	none	72-14
junction box, shop built, for network protector fire protection retrofit	7326.0	none
junction box, stainless steel, for 26 kV loadbreak junctions	7205.1	70-26
metering, primary, padmount	6828.8	70-26
terminating for 26 kV loadbreak junctions	7205.1	70-26
transformer, fiberglass, padmount	none	70-26
cable, conductor, and wire, *see also wire, splice, and connector*		
18 AWG	6102.20	60-28
	none	60-32
16 AWG	6158.2	60-32
14 AWG	6102.20	60-28
	6122.3	60-32
	6158.2	60-32
	6420.5	60-36
12 AWG	6404.40	60-20
	none	60-32
	6122.3	60-32
	6404.40	60-36
	6420.5	60-36
10 AWG	6122.3	60-32
	6404.40	60-36
	6420.5	60-36
8 AWG	none	60-9
	6404.50	60-26
	6122.3	60-32
6 AWG	6108.5	60-2
	6114.50	60-2
	6010.20	60-4
	6007.50	60-20
	6102.20	60-28
	6122.3	60-32
4 AWG	none	60-1
	6100.1	60-2
	6114.50	60-2
	none	60-20
	none	65-26
	6102.20	60-28
	6100.00	60-29
	6122.3	60-32
2 AWG	6100.1	60-2
	6114.50	60-2
	6010.00	60-26
	6103.90	60-28

cable, conductor, and wire, *continued*	matl std	stk cat
1 AWG	6020.01	60-7
	6020.02	60-8
	6020.05	60-11
0 (1/0)	6020.03	60-9
	6020.06	60-9
	6007.50	60-20
	6010.00	60-26
00 (2/0)	none	60-2
	6010.00	60-26
	6103.90	60-28
000 (3/0)	6020.01	60-7
	6020.02	60-8
	6010.00	60-26
0000 (4/0)	6005.1	60-1
	6025.02	60-8
	6006.2	60-20
	6007.50	60-20
	6010.10	60-24
	6010.00	60-26
	6103.90	60-28
0250 kcmil	6010.00	60-26
	6103.90	60-28
0300 kcmil	6010.00	60-26
0350 kcmil	6010.20	60-4
	6020.01	60-7
	6020.05	60-11
	6020.07	60-11
	none	60-13
	6007.50	60-20
	6010.10	60-24
	6010.00	60-26
0397.5 kcmil, ACSR, bare	6000.00	60-1
0397.5 kcmil, AAC, bare	6000.20	60-1
0500 kcmil	none	60-4
	6025.10	60-5
	6025.60	60-5
	6025.70	60-5
	none	60-7
	6020.07	60-11
	6020.14	60-11
	none	60-13
	6010.10	60-24
	6010.00	60-26
	6103.90	60-28
0750 kcmil	none	60-4
	none	60-7
	6020.07	60-11
	none	60-13
	6009.0	60-24
	6010.10	60-24
	6010.00	60-26
0795 kcmil, ACSR, bare	6000.00	60-1
0795 kcmil, AAC, bare	6000.20	60-1
0954 kcmil, ACSR, bare	6000.00	60-1
0954 kcmil, AAC, bare	6000.20	60-1
1000 kcmil	6025.60	60-5
	6020.07	60-11
	6020.14	60-11
	none	60-13

cable, conductor, and wire, *continued*	matl std	stk cat
	6236.60	60-13
	6050.10	60-16
2500 kcmil	6050.25	60-16
3000 kcmil	6050.30	60-16
300 V, wire, 14 to 16 AWG	6158.2	60-32
300 V, wire, 18 AWG	none	60-32
300 V, wire, 14 to 16 AWG	6158.2	60-32
600 V, fire protection system wire, 12 AWG, Cu	none	60-36
600 V, overhead, parallel lay, service	6006.2	60-20
600 V, overhead, service drop	6007.50	60-20
600 V, overhead, service entrance	none	60-20
600 V, portable cord, 14 to 16 AWG, Cu	6158.2	60-32
600 V, streetlight, overhead, #12	6404.40	60-20
600 V, streetlight, underground, #8	6404.50	60-26
600 V, switchboard wire, 14 to 10 AWG, Cu	6420.5	60-36
600 V, underground, network secondary, Al	6009.0	60-24
600 V, underground, network secondary, Al	6010.10	60-24
600 V, underground, secondary, Cu	6010.00	60-26
600 V, underground, triplex, URD secondary, Al	6010.10	60-24
600 V, underground, quadruplex, URD secondary, Al	6010.10	60-24
600 V, wire, 14 to 8 AWG, Cu	6122.3	60-32
600 V, wire, 12 AWG	none	60-32
600 V, wire, 14 to 16 AWG, Cu	6158.2	60-32
5 kV, nominal 4.3 kV, limited use	6010.20	60-4
5 kV, overhead transformer leads	6108.5	60-2
13.8 kV, nominal – 15 kV	none	60-7
	6020.01	60-7
	6020.02	60-8
	6025.02	60-8
	6025.10	60-5
	6025.60	60-5
15 kV	6025.70	60-5
15 kV, nominal 13.8 kV, limited use	none	60-4
15 kV, *see 13.8 standards*	several	60-5
27 kV, 3-1/C + 2/neu, underground, primary, Kerite	none	60-9
28 kV, 1/C (drain wire), underground, primary	none	60-13
28 kV, 1/C (flat strap), underground, primary	6020.07	60-11
	6020.14	60-11
28 kV, 1/C + 1/neu (round wire), underground, primary	6020.03	60-9
	6020.06	60-9
28 kV, 3-1/C + 3/ground (tape), underground, primary	6020.05	60-11
35 kV, 1/C (tape), underground, primary	6236.60	60-13
115 kV, 1000 kcmil, high V	6050.10	60-16
115 kV, 2500 kcmil, high V	6050.25	60-16
115 kV, 3000 kcmil, high V	6050.30	60-16
AAC, Al	6000.20	60-1
ACSR, Al	6000.00	60-1

cable, conductor, and wire, *continued*	matl std	stk cat
aluminum	none	60-1
	6000.00	60-1
	6000.20	60-1
	6005.1	60-1
	6020.03	60-9
	6020.06	60-9
	6020.07	60-11
	none	60-13
	6006.2	60-20
	6007.50	60-20
	6009.0	60-24
	6010.10	60-24
Appaloosa, 4/0, overhead, service drop, 600 V, Al	6007.50	60-20
Arbutus	6000.20	60-1
arc proofing	7365.2	73-33
armored	6020.02	60-8
bare	6000.00	60-1
	6000.20	60-1
	6100.1	60-2
	6102.20	60-28
	6103.90	60-28
	6104.5	60-28
	6100.00	60-29
	6100.05	60-29
Beloit, 600 V, underground, secondary, Al	6010.10	60-24
bonding, *see grounding*		
bracket	6880.00	70-31
see also stk cat,		70-40 to 70-45
braid	none	60-28
Brooklyn, 600 V, underground, secondary, Al	6010.10	60-24
cable limiter, see	-	68-14
cable marker	none	76-9
Canna	6000.20	60-1
cap, cold shrink	none	73-37
cap, heat shrink	7374.85	73-37
Cerapus, 600 V, 4/0, overhead, service drop, Al	6007.50	60-20
Chickadee	6000.00	60-1
clamp, *see clamp*	-	-
cleaner	7261.5	75-4
Cockle, 600 V, #2, overhead, service drop, Al	6007.50	60-20
concentric neutral (CN)	6020.03	60-9
	6020.06	60-9
Concordia, 600 V, underground, secondary, Al	6010.10	60-24
connection, *see the connector listing*		
control	6404.11	60-36
copper-clad steel	6100.00	60-29
	6100.05	60-29
Costena, 600 V, 1/0, overhead, service drop, Al	6007.50	60-20
Drake	6000.00	60-1
drain wire shielded	none	60-13
Emory, 600 V, underground, secondary, Al	6010.10	60-24
end seal, heat shrink	6871.3	70-18

cable, conductor, and wire, *continued*	matl std	stk cat
EPR insulated	6025.10	60-5
	6025.60	60-5
	6025.70	60-5
	6025.02	60-8
	none	60-9
fiber optic	8001.0	80-1
fire proofing	7365.2	73-33
fire protection system wire, 600 V, 12 AWG, Cu	none	60-36
flat strap shielded	6025.60	60-5
	6020.07	60-11
	6020.14	60-11
Goldenrod	6000.20	60-1
grips, pulling, *see grip*	none	70-43
grounding, #4/0	none	65-26
grounding, connectors	none	65-23
	6762.1	65-23
	6762.7	65-23
	6763.1	65-23
	6766.1	65-23
	5640.30	65-24
	5640.32	65-24
	6773.5	65-25
	none	65-26
Hazeltine cable harness	none	70-39
high voltage, 1000 kcmil	6050.10	60-16
high voltage, 2500 kcmil	6050.25	60-16
high voltage, 3000 kcmil	6050.30	60-16
Ibis	6000.00	60-1
insulating compound	7531.0	75-1
	none	75-1
Janthina, 1/0, overhead, service drop, 600 V, Al	6007.50	60-20
Kerite, 27 kV, 3-1/C + 2/Neu, underground, primary	none	60-9
Lander, 600 V, underground, secondary, Al	6010.10	60-24
limiter, 600 V and below	6836.2	68-14
	6836.3	68-14
	6836.50	68-14
	6836.6	68-14
LLDPE jacket	6010.20	60-4
	6025.60	60-5
	6020.01	60-7
	6020.06	60-9
	6020.05	60-11
	6020.07	60-11
	6020.14	60-11
	6236.60	60-13
	6050.10	60-16
	6050.25	60-16
	6050.30	60-16
lubricant, cable pulling	7262.2	75-2
Mallard	6000.00	60-1
marking tape, direct bury	none	73-40
Olive	6005.1	60-1
overhead (OH), service	6006.2	60-20
	6007.50	60-20
	none	60-20
overhead (OH), streetlight	6404.40	60-20

cable, conductor, and wire, *continued*	matl std	stk cat
Page, 600 V, underground, secondary, Al	6010.10	60-24
Palomina, #2, overhead, service drop, 600 V, Al	6007.50	60-20
pole mounting with "J" bolt	7206.5	70-45
polyethylene jacket	6005.1	60-1
	6108.5	60-2
	6114.50	60-2
portable cord, 600 V, 14 to 16 AWG, Cu	6158.2	60-32
primary	6010.20	60-4
	6025.10	60-5
	6025.60	60-5
	6025.70	60-5
	6020.01	60-7
	6020.02	60-8
	6025.02	60-8
	6020.03	60-9
	6020.06	60-9
	6020.05	60-11
	6020.07	60-11
	6020.14	60-11
	6236.60	60-13
proofing mandrel	7645.40	73-78
protector	7318.1	73-78
pulling, *see cable pulling*		
PVC jacket	6025.70	60-5
	none	60-9
	none	60-13
	none	65-26
	6122.3	60-32
rack, hook, "step"	7206.2	70-40
Rail	6000.00	60-1
Regis, 600 V, underground, secondary, Al	6010.10	60-24
Rider, 600 V, underground, secondary, Al	6010.10	60-24
Rutgers, 600 V, underground, secondary, Al	6010.10	60-24
service, overhead	none	60-20
	6006.2	60-20
	6007.50	60-20
service, underground	6009.0	60-24
	6010.10	60-24
	6010.00	60-26
Sewanee, 600 V, underground, secondary, Al	6010.10	60-24
Slippery Rock, 600 V, underground, secondary, Al	6010.10	60-24
splice, *see connector, see splice*		
steel, Cu clad	6100.00	60-29
	6100.05	60-29
steel, core	6000.00	60-1
strap (ties)	7358.1	73-40
streetlight, overhead	6006.2	60-20
	6007.50	60-20
streetlight, underground	6009.0	60-24
	6010.10	60-24
	6010.00	60-26
	6404.50	60-26

cable, conductor, and wire, *continued*	matl std	stk cat
support, *see cable support*		
Susquehanna, 600 V, underground, secondary, Al	6010.10	60-24
Sweetbriar, 600 V, underground, secondary, Al	6010.10	60-24
switchboard wire, 600 V, 14 to 10 AWG, Cu	6420.5	60-36
tag, label	7659.00	76-17
tag, cable id	none	73-40
tape shielded	none	60-4
	6025.10	60-5
	6025.70	60-5
	none	60-7
	6020.01	60-7
	6020.02	60-8
	6025.02	60-8
	none	60-9
	6020.05	60-11
	6236.60	60-13
tie	7358.1	73-40
TRXLPE insulated	none	60-4
	6010.20	60-4
	none	60-7
	6020.01	60-7
	6020.02	60-8
	6020.03	60-9
	6020.06	60-9
	6020.05	60-11
	6020.07	60-11
	6020.14	60-11
	none	60-13
	6236.60	60-13
UG primary	none	60-4
	6010.20	60-4
	6025.10	60-5
	6025.60	60-5
	6025.70	60-5
	none	60-7
	6020.01	60-7
	6020.02	60-8
	6025.02	60-8
	none	60-9
	6020.03	60-9
	6020.06	60-9
	6020.05	60-11
	6020.07	60-11
	6020.14	60-11
	none	60-13
	6236.60	60-13
Valparaiso, 600 V, underground, secondary, Al	6010.10	60-24
Voluta, #6, 600 V, overhead, service drop, Al	6007.50	60-20
Wake Forest, 600 V, underground, secondary, Al	6010.10	60-24
Wesleyan, 600 V, underground, secondary, Al	6010.10	60-24
wrap (cable)	7353.6	73-39
XLPE insulated	6050.10	60-16
	6050.25	60-16
	6050.30	60-16
	6006.2	60-20
	6007.50	60-20

cable, conductor, and wire, continued	matl std	stk cat
	6404.40	60-20
	6009.0	60-24
	6010.10	60-24
	6010.00	60-26
weather-resistant, wire, polyethylene cover, Al	6005.1	60-1
weather-resistant, wire, polyethylene cover, Cu	6114.50	60-2
cable accessories, *see cable*		
cable protector	7318.1	73-78
cable limiter		
cable limiter, 600 V, Al to Al	6836.6	68-14
cable limiter, 600 V, Cu to bar	6836.2	68-14
cable limiter, 600 V, Cu to Cu	6836.3	68-14
cable limiter, 600 V, Cu to Cu bar	6836.50	68-14
cable limiter, to mole	none	68-14
cable pulling		
aerial duct	8020.0	80-2
anchor	7800.9	78-3
cable marking/locating	none	70-51
gel	7262.2	75-2
grip (head)	none	70-43
irons	none	70-28
lubricant	7262.2	75-2
plate anchors	several	56-9
proofing mandrel	7645.40	73-78
pulling iron forms	none	70-28
pulling irons	none	70-28
pull tape	none	73-78
rope	7272.2	72-16
cable strap		
service entrance	none	73-12
tie	7358.1	73-40
cable support, *see "support" also, above, under cable*		
	6880.00	70-31
	none	70-40
	7206.5	70-45
	none	69-1
	none	70-42
	6904.20	69-1
	6907.1	69-1
	7206.11	70-42
	7206.12	70-42
bracket (clevis)	6904.10	69-1
bracket assembly	6880.00	70-31
ceramic	none	70-41
channel	none	70-40
channel adapter bracket	7206.09	70-42
channel fittings	none	70-42
communications cable attachment	5631.1	56-4
grips	none	70-43
horizontal, bracket assembly	7206.12	70-42
insulator	none	70-41
j bolt	7206.5	70-45
pole mounted brackets	none	70-45

***cable support**, continued*	matl std	stk cat
	6862.0	70-45
	6867.50	70-44
	7206.5	70-45
pole mounted conduit	none	70-44
	6867.50	70-44
rack		
	none	70-40
	7206.2	70-40
	7216.7	70-40
splice	7206.11	70-42
spool	6904.10	69-1
strap, service entrance	none	73-12
strap, tie	7358.1	73-40
strut	none	70-40
swivel hanger	none	70-43
termination	none	56-5
thermoplastic	none	70-41
ties and tie mounting	7358.1	73-40
vertical, bracket assembly	6880.00	70-31
cable wrap		
polytetrafluorethylene	7353.6	73-39
sheet insulation	none	73-39
varnished cloth	none	73-39
call before you dig, label	none	76-9
can		
alley	none	70-26
garbage	7601.3	76-1
gasoline	none	76-6
miscellaneous containers	none	76-49
oil	none	76-49
paint	none	76-49
cancer protection, skin	none	11-2
canister type current limiting fuse, Trayer		
	6840.1	68-10
	6840.1.1	68-10
	6849.5	68-10
Canna, conductor	6000.20	60-1
***cap,** see hard hat*		
bail, cap hold-down	6864.17	70-14
	6863.16	70-66
cable end, heat shrinkable	7374.85	73-37
	none	73-37
cold shrink	none	73-37
conduit end, fiberglass	7025.05	73-62
conduit plug, PVC	7345.7	73-78
elbow, shipping cap	6864.17	70-11
heat shrink	7374.85	73-37
insulated, elbow bushing, insert or integral	6864.07	70-4
	6864.17	70-11
	6864.17	70-69
	6864.27	70-84
insulated, elbow way or bus, with bail	6863.16	70-66
insulator	6901.80	69-30
insulator, cap and pin type	none	69-30
pipe, galvanized	none	71-5
pole, composite	5214.14	50-20
pole, streetlight, Al	5739.8	57-1

cap, continued	matl std	stk cat
pole, streetlight, round fiberglass	5745.0	57-2
pole, streetlight, square fiberglass	5743.0	57-2
pole, streetlight, steel	5744.0	57-2
PVC plug	7345.7	73-78
rebar	none	74-1
safety	none	11-30
screw, Al, hex head, heavy	7846.10	78-12
screw, silicon bronze, hex head	7845.1	78-18
screw, steel, hex head, high strength	7847.2	78-18
service entrance	7314.4	73-10
shorting, streetlight	5693.00	57-21
steel reinforcing bar	none	74-1
test point, elbow, with plug	6863.17	70-4
	6863.17	70-69
	6863.27	70-84
	6863.37	70-96
test point, with elbow kit	6863.34	70-94
transformer pressure relief valve, weather cap	2940.1	30-1
wildlife protector	6910.10	56-80
capacitor		
26 kV, 3Φ, pole-mounted	3138.7	30-1
AC-DC	none	70-36
bank, switched	none	30-1
fuse, West Point	none	68-11
installation with fault limiter, 27 kV	6840.2	68-9
poly film	none	70-36
switching	none	20-3

cap and pin, insulator, substation	none	69-30
capital, streetlight	none	57-23
card		
file, brush	none	76-36
recording	7653.16	70-7
cartridge, Ampact	none	65-8
catch, door	none	72-11
cathodic protection	none	70-38
caulking	none	72-9
cedar, pole	5072.00	50-10
cement, *see glue, adhesive*		
adhesive, bond to concrete	none	75-3
adhesive, rubber gasket (Crazy Glue)	none	75-3
glue, plastic resin (Weldwood)	none	75-3
glue, transparent (Elmers Glue-All)	none	75-3
PVC, pipe	none	75-3
PVC, solvent	none	75-3
splice or termination waterproofing	none	75-3
cement (concrete)		
adhesive, bond to concrete	none	75-3
mortar mix	none	72-9
water plug, quick set mortar	none	72-9
center punch	none	76-38
Cerapus, conductor	6007.50	60-20
chain		
bull ring (one link)	none	69-62

***chain**, continued*	matl std	stk cat
hook	none	76-1
link	none	72-16
steel alloy	none	72-16
shackle	6966.15	69-62
	6966.17	69-62
transom, sash	none	72-16
welded, weldless	none	72-16
chalk, chalk line	none	76-32
***channel (strut),** see cable and cable support*		
adapter bracket	none	70-42
aluminum	none	70-40
ceiling, vault		
coated steel	none	70-40
fittings	none	70-42
galvanized steel	none	70-40
check valve		removed
cheese cloth	none	72-18
chemical		
acetone	none	72-21
hydrogen	none	75-3
sulfur hexafluoride	7264.1	none
Chickadee, conductor	6000.00	60-1
splice, formed wire	none	65-1
Chief Seattle, historic district streetlight assembly		
Aladdin arm	none	57-10
anchor bolt	none	57-23
base	none	57-10
collar	none	57-10
door, base	none	57-23
pole, standard	none	57-2
chisel		
cold	none	76-38
with steel driving cap	none	76-45
chock, wheel	7609.30	76-6
clamp		
aerial cable	none	65-9
aluminum, parallel groove connector	none	65-9
angle, insulator, suspension	6950.1	69-76
ball socket	none	65-26
ball stud	none	65-26
bolted mid-span tap	6596.4	65-3
cable to conduit	6763.1	65-23
cable to flat bar	6766.1	65-23
cable to IPS	6762.7	65-23
cable to pipe	6762.7	65-23
cable to rod	6762.7	65-23
clamptop adapter, insulator	none	69-66
conduit, PVC	6763.1	65-23
conduit to channel	none	70-44
connector, two-bolt, parallel	6693.70	65-19
crossing cables	none	65-23
crowsfeet, deadend, quadrant	6933.1	69-72
	6937.1	69-72
deadend, automatic, guy	5650.3	56-11
deadend, fiber optic	5650.3	80-2
deadend, quadrant strain, Al	6937.1	69-72

clamp, continued	matl std	stk cat
deadend, quadrant strain, steel and iron	6933.1	69-72
deadend, service neutral wedge	5813.30	56-1
deadend, straight line, iron	6939.10	69-72
deadend, strain straight-line, Al	6942.2	69-72
duck bill	none	65-26
end, terminal block	2903.20	20-11
fiber optic, deadend	5650.3	80-2
fiber optic, grounding	none	80-2
fiber optic, suspension	none	80-2
grounding	none	65-26
grounding, conduit	6763.1	65-23
grounding, fiber optic	none	80-2
ground rod	none	65-23
ground rod, 3/4-inch	5640.32	65-24
ground rod, 5/8-inch	5640.30	65-24
ground to grid	none	65-23
ground, to flat bar	6766.1	65-23
ground, to rod or pipe	6762.7	65-23
ground, water pipe	none	73-74
hose	none	70-33
	6763.1	65-23
hose, split bolt	6763.1	65-23
hose, water	none	76-43
hot-line tap, Cu	5807.1	65-8
insulator, line post connector, clamptop adapter	none	69-66
insulator, line post, Al	6951.5	69-78
insulator, line post, iron	6951.5	69-78
insulator, station post connector, vertical adapter	none	69-66
insulator, suspension, Al	6951.1	69-76
	none	69-76
insulator, suspension, iron	6950.2	69-76
insulator, suspension, iron or steel	6950.1	69-76
iron, deadend, quadrant strain	6933.1	69-72
	6937.1	69-72
iron, deadend, straight line	6939.10	69-72
	6942.2	69-72
mast arm grounding, setscrew lug	none	65-23
neutral service wedge, deadend, messenger	5813.30	56-1
parallel groove	6693.5	65-9
	none	65-9
service neutral wedge	5813.30	56-1
setscrew lug, streetlight grounding	none	65-23
stainless steel	6763.1	65-23
sump pump	none	65-23
suspension, fiber optic	none	80-2
suspension, insulator, Al	6951.1	69-76
suspension, insulator, assembly	none	69-76
suspension, insulator, iron	6950.2	69-76
suspension, insulator, iron or steel	6950.1	69-76
terminal block	2903.20	20-11
terminator adapter ring, clamping	6862.8	70-47

***clamp**, continued*	matl std	stk cat
	6862.9	70-47
three cables to rod or pipe	6762.7	65-23
transformer grounding	6762.1	65-23
trunnion, line post insulator	6951.5	69-78
two cables to rod or pipe	6762.7	65-23
vertical adapter, insulator, station post	none	69-66
water pipe grounding	none	73-74
wedge	5813.30	56-1
claw hammer	7638.1	76-23
cleaning		
absorbent material	7263.3	76-13
alcohol	none	75-3
brush	none	77-1
clearners	none	75-4
	none	77-4
degreaser	none	75-4
electrical insulation	7261.5	75-4
first aid, *see first aid*	none	11-xx
glass	none	77-4
hand	none	11-12
	none	77-4
metal	none	77-4
mop bucket	none	77-1
mop handle	none	77-2
mop head	none	77-1
neutralization media	none	76-13
oxide inhibiting	none	75-2
	7261.1	75-2
	7261.12	75-2
	7261.8	75-2
paint	none	77-4
rubber	none	77-4
pipe and drain	none	77-4
soap	none	77-4
spill kit	none	76-13
supplies	none	77-1
	none	77-2
	none	77-4
	none	77-6
	none	77-8
sweeping compound	none	77-6
towells	none	77-8
towels, antimicrobial	none	11-2
towels, disinfectant	none	11-2
clearance		
roof saddle, maintenance	none	56-7
tag, keep open	7653.22	76-9
clevise		
assembled, primary and secondary insulated	6904.10	69-1
ball	6955.1	69-60
eye, ball	6955.1	69-60
assembled, primary and secondary insulated	6904.10	69-1
“Y”	6955.1	69-60
nuts	5652.5	56-14
clothing, *see gloves, see hard hat*		
apron	none	11-70
arc flash balaclava	4013.31	11-70
arc flash suit	4013.29	11-73
boot cover	none	11-92

clothing, *continued*	matl std	stk cat
boots	none	76-4
coveralls, flame resistant	4013.25	11-73
vest, safety	4015.10	11-78
	4015.15	11-78
Cockle, conductor	6007.50	60-20
cold shrink cover		
splices, 15 kV through 25 kV	6871.4	70-17
communications		
cable attachment	5631.1	56-4
composite		
utility pole	5214.14	50-20
compound		
absorbent material, oil and water	7263.3	76-13
lubricant, cable-pulling	7262.2	75-2
oxide inhibiting and lubricating	7261.1	75-2
oxide-inhibiting, synthetic base	7261.12	75-2
oxide-inhibiting, synthetic base	7261.8	75-2
compression connector, *see connector*		
Concordia, conductor	6010.10	60-24
concrete		
fluidized thermal backfill	7150.00	none
streetlight pole	none	56-2
conductor*, see cable*		
conduit, *see duct bank*		
aerial duct, self-supporting	8020.0	80-2
bracket - for pole riser conduit	6867.50	70-44
cable protector	7318.1	73-78
cleaning	7645.40	73-78
conduit and fittings, rigid Al	7343.5	73-65
condulets for Al or galvanized	7325.1	73-11
connector, hub, watertight with gasket	7311.4	73-9
directional drilling system	7017.05	73-50
duct, aerial, self-supporting	8020.0	80-2
EMT steel tubing	7030.05	73-5
fiberglass conduit and fittings	7025.05	73-60
fittings for UG use - direct burial PVC	7345.7	73-53
fluidized thermal backfill	7150.00	none
innerduct, corrugated	8021.00	80-1
mandrel	7645.40	73-78
nipple stock	7050.05	73-70
pipe fittings, PVC plastic, DWV and Schedule 40	7100.0	70-34
PVC and fittings	7015.05	73-50
	7015.05	73-52
PVC Schedule 80	7020.05	73-56
spacer, pipe-strap, one-hole	7134.6	73-12
spacers, plastic, nonmetallic conduit	7346.8	73-78
steel and fittings, galv.	7050.05	73-72
strap, one-hole, malleable	7134.5	73-12
straps, pipe, two-hole	7134.7	73-12
conduit fitting		
cable protector	7318.1	73-78

	matl std	stk cat
condulets for Al or galvanized	7325.1	73-11
fiberglass	7025.05	73-60
PVC conduit	7015.05	73-50
rigid Al	7343.5	73-65
steel conduit	7050.05	73-72
cone, traffic safety	7611.10	76-11
connection/connector, *see splice and clamp*		
Ampact	none	65-8
Ampact cartridge	none	65-8
adapter, reducing, Cu	6774.4	65-18
bolted, aluminum	6774.1	65-4
Burndy mole compatible	none	65-13
bus bar, Cu	6300.0	60-40
bus bar, pipe/tube, Cu	6305.0	60-40
bus bar, standard underground vault, Cu	6303.00	70-29
butt splice, insulated	6771.30	65-28
butt splice, non-insulated	6771.20	65-29
“C”	6773.5	65-25
cable, parallel groove, two-bolt, Al	6688.7	65-19
clamp, bolted mid-span tap, Al	6596.4	65-3
clamp, hot line	none	65-8
clamp, wedge	none	65-8
	6774.1	65-4
	6774.2	65-3
	6863.10	70-61
compression, Ampact tap	none	65-8
compression, ACSR neutral messenger splice	6774.3	65-3
compression adapter, reducing, Cu	6774.4	65-18
compression, bi-metallic, 200-ampere	6864.00	70-2
compression, Cu	6863.30	70-92
compression, insulated, Al	6774.2	65-3
compression, oil stop, tapered, Cu	6774.05	65-17
compression, pigtail adapter	6772.0	65-9
compression, range-taking, Al	6501.1	65-1
compression sleeve, full tension, Cu	6778.1	65-15
compression, splice , Cu	6773.8	65-17
compression, tapered, Al	6774.7	65-4
compression, tapered, Cu	6774.6	65-17
	6770.7	65-18
compression, terminal, for submersible insulated bus, Al	6786.00	65-11
compression, terminal, tin-plated, Al	6774.8	65-10
compression, terminal, tin-plated, Cu	6770.7	65-18
compression, terminals and splices, insulated	6771.30	65-28
compression, terminals and splices, non-insulated	6771.20	65-29
compression, tin plated, secondary UG, Al	6774.9	65-10
compression, wedge	none	65-3
compression, wye, Cu	6775.10	65-18
cone compression, Burndy mole compatible	none	65-13
disconnect terminal, insulated	6771.30	65-28
fork terminal, insulated	6771.30	65-27

connection/connector, *continued*	matl std	stk cat
ground clamp	5640.30	65-24
ground clamps parallel or transverse cable connection to rod or pipe	6762.7	65-23
ground connector and SS hose clamp	6763.1	65-23
ground, rod or pipe clamp	6762.7	65-23
hose clamp ground connector	6763.1	65-23
hub, watertight with o-ring gasket	7311.4	73-9
insulated compression, Al	6774.2	65-3
insulating sleeves	none	65-12
insulating sleeves	6786.2	65-12
insulating sleeves, covers, and plugs	6786.2	65-11
lug, 15°	none	65-6
lug, 90°, Al	none	65-10
lug, bi-metallic	none	65-10
lug, bolted, Al	6688.5	65-10
lug, cap	6688.2	65-11
lug, secondary, Al	6674.8	65-10
	6674.9	65-10
lug, set screw, Al	none	65-10
lug, set screw, Cu	6688.3	65-20
lug, tap, terminal, Cu	6761.1	65-19
lug, terminal, long, Cu	6786.05	65-11
lug, terminal, secondary	6786.00	65-11
lug, universal and tube type	6677.1	65-21
multiple	6780.0	65-11
	none	65-12
multiple, insulated, submersible, rated 1000 amp, Al	6780.0	65-11
parallel clamp, two-bolt, bronze	6693.70	65-19
parallel clamp, ground, rod or pipe clamp	6762.7	65-23
parallel tap, two-bolt, Al	6693.5	65-9
parallel tap , set screw, Cu	6691.5	65-20
parallel tap , split bolt, Cu	6688.7	65-19
pigtail adapter, compression	6772.00	65-9
pressure tap, Cu	6773.5	65-25
reducing adapter, Cu	6774.4	65-18
ring terminal, insulated	6771.30	65-28
ring terminal, non-insulated	6771.20	65-29
secondary	6780.0	65-11
sleeve cover, streetlight adapter	6786.2	65-11
sleeve, splicing, compression, full tension, Cu	6778.1	65-15
sleeve, insulating	none	65-12
	6786.2	65-12
sleeve plug	6786.2	65-11
sleeve, streetlight adapter	6786.2	65-11
	6780.0	65-11
socket and nub, Burndy mole compatible	none	65-13
spade terminal, insulated	6771.30	65-27
splice, ACSR and all-aluminimum conductor	6591.8	65-1
splice, ACSR neutral messenger, Al	6774.3	65-3
split bolt, parallel tap , Cu	6688.7	65-19
stirrup, hot line, bolted	none	65-8
stirrup, hot line, wedge	none	65-8

***connection/connector**, continued*	matl std	stk cat
streetlight splice	none	65-12
	6780.0	65-11
"T"	none	65-25
tap, Ampact	none	65-8
tap, lug, terminal, Cu	6761.1	65-19
tapered, Al	6774.7	65-4
tap, wedge	none	65-8
terminal	none	65-21
terminal, "T"	none	65-21
terminal, bolted pressure, Al	6688.5	65-10
terminal, compression, lug	6786.00	65-11
	6774.8	65-10
terminal, tap lug, Cu	6761.1	65-19
tool and die reference	6773.5	65-25
transformer grounding	6762.1	65-23
traverse clamp, ground, rod or pipe clamp	6762.7	65-23
two-bolt, parallel clamp, bronze	6693.70	65-19
two-bolt, tap, parallel groove, Al	6693.5	65-9
universal clamp, ground, rod or pipe clamp	6762.7	65-23
vise, bronze	6693.80	65-19
wedge	none	65-3
wedge, hot line	none	65-8
wedge, tap	none	65-8
wye, compression, Cu	6775.10	65-18
***connector, separable**, see separable*		
contactor controller		
lighting (switch)	5685.00	57-22
bracket assembly, crossarm mounted cutout	5632.11	56-5
bracket assembly, pole-mounted cutout	5632.4	56-5
insulator performance test, 26 kV	6840.3	none
control cable		
control cable, 600 volt, multi-conductor	6404.11	60-36
controller		
lighting contactor (switch)	5685.00	57-22
***construction**, see overhead, vault, and conduit*		
Costena, conductor	6007.50	60-20
cotter pin		
brass	none	56-14
steel, humpback	5825.90	56-14
coupling		
guying anchor	5622.33	56-10
cover		
42″ round cast iron	7204.7	70-27
loadbreak elbow, mud	6864.03	70-7
splice covers, heat shrinkable	7374.65	73-36
	7374.70	73-36
	7374.75	73-36
coveralls		
asbestos	none	11-73
flame resistant	4013.25	11-73
PCB	none	11-73
cover-up systems		
blanket, insulating	7633.3	76-3
insulator cover	none	76-3
CPR, mouth barrier	none	11-1

	matl std	stk cat
CPR, mouth barrier	none	11-1
crossarm	5400.00	50-20
brace	5630.1	56-4
brace, vertical spacing	5630.7	56-4
double-arming bolts, galvanized	5605.1	56-14
current limiting devices, *see fuse*		
current limiter, “X”, 27 kV, wye system	6840.1	68-10
current limiter, “ET”, 27 kV, wye system	6840.1.1	68-10
molded current limiter (MCLF), submersible, 27 kV	none	68-11
current limiter, West Point	none	68-11
current limiter, “Q”, 27 kV	none	68-9
current limiter, “X”, 27 kV	none	68-9
connector	none	68-9
cable limiter, 600 V		68-14
connector bar	6849.1	68-9
fault limiter, backup	6840.2	68-9
fault limiter, submersible, gas insulated, 27 kV	6840.4	68-10
	6849.5	68-10
cutout, *see fuse*		
blade, disconnect	none	68-3
bracket assembly, crossarm mounted for contaminated areas	5632.11	56-5
bracket assembly, pole-mounted for contaminated areas	5632.4	56-5
bracket, mounting	5632.3	56-5
bracket, mounting, insulated	5632.2	56-5
	5632.11	56-5
	5632.4	56-5
enclosed, fused	6820.10	68-3
mounting bracket for crossarms	5632.12	56-5
open type	6820.90	68-3
cutting fluid	none	75-1

d

“danger crew working keep open”		
switching and tagging	7653.22	76-9
danger signs	several	76-8
deadbreak		
accessories, separable connector	6864.17	70-11
	6864.17	70-12
	6864.17	70-13
	6864.17	70-14
deadend		
automatic feed-through with insulated bail for ACSR	5813.4	56-1
automatic, feed-through, Cu conductor	5813.2	56-1
automatic, with neoprene covered bail	5813.1	56-1
clamp, deadend strain straight-line, Al	6942.2	69-72
clamp, deadend, quadrant strain, Al	6937.1	69-72
clamp, deadend, quadrant strain, forged steel and malleable iron	6933.1	69-72
clamp, deadend, straight line, malleable or ductile iron	6939.10	69-72

***deadend**, continued*	matl std	stk cat
connector, transmission	none	65-6
fiber optic	5650.3	80-2
grip	none	56-1
guy, automatic feed-through	5650.3	56-11
plates, galvanized, double and quadruple arming	5826.7	56-4
quadrant strain, Al	6937.1	69-72
quadrant strain, steel and iron	6933.1	69-72
service neutral wedge, neutral messenger	5813.30	56-1
straight line, iron	6939.10	69-72
strain straight-line, Al	6942.2	69-72
de-energizing tag	7653.22	76-9
DIN modular system block	2903.20	20-11
direct burial PVC, fittings	7345.7	73-53
directionalt drilling conduit	7017.05	73-50
distilled water		75-4
double-arming bolt	5605.1	56-14
dowel, pole hole plug, treated	none	56-8
Drake, conductor	6000.00	60-1
deadend connector	none	65-6
splice, full tension	none	65-1
terminal lug	none	65-6
drill	7615.1	76-27
driver vehicle inspection report (DVIR)	4019.85	11-95
***duct**, see conduit, see duct bank*		
duct, aerial, self-supporting	8020.0	80-2
innerduct, corrugated	8021.00	80-1
sealing compound	none	75-2
dummy, solid neutral slug	6855.07	68-60

e

earmuffs	none	11-37
earplugs	none	11-37
***earthquake**, see seismic*		
***elbow**, see separable connector*		
cover, loadbreak, mud	6864.03	70-7
fiberglass conduit elbows	7025.05	73-62
fittings for underground use, direct burial PVC	7345.7	73-53
PVC conduit	7015.05	73-50
***electrical connector**, see separable connector*		
***electrical connection**, see service connection*		
embosing, hand tool	7658.5	76-17
Emory, conductor	6010.10	60-24
energy barrier	-	76-3
engineering hammer	7638.1	76-23
exothermic welded grounding connection	6762.90	65-26
extension cord	7331.0	73-26
eye bolt	5610.1	56-14
eye nut, guy cable fittings	5652.1	56-14
eye plate, pole	5651.15	56-11
eye protection		
pad	none	11-1
face shield	none	11-48
	4013.31	11-48
face shield, arc flash	4013.31	11-48

***eye protection**, coninued*	matl std	stk cat
glasses, *see glasses*	4008.10	11-42
goggle, energy arc	4013.31	11-46
goggle	none	11-46
wash	none	11-1
	none	11-2
welding	none	11-48

f

face shield		11-48
arc flash	4013.31	11-48
fastener		
anchors, masonry, light-duty screw	7800.7	78-2
anchors, masonry, light-duty stud bolt	7800.9	78-3
anchors, masonry, flush, drop-in	7801.10	78-2
anchors, masonry, nail drive	none	78-4
anchors, spring toggle bolt	7801.4	78-4
bolt assembly kits and parts, Belleville spring washer, stainless/Al	7820.0	78-12
bolt, carriage, with nut	7804.1	78-20
bolt, machine, square ead with square nut	7807.1	78-19
bolt, steel hex	7847.1	78-17
cap screw, Al, hex head, heavy	7846.10	78-12
cap screw, silicon bronze, hex head	7845.1	78-18
cap screw, steel, hex head, high strength	7847.2	78-18
carriage bolt with nut	7804.1	78-20
nuts, Al, hex, heavy	7846.15	78-12
nuts, clevis	5652.5	56-14
nuts, eye, guy cable fittings	5652.1	56-14
nuts, silicon bronze, hex	7833.3	78-21
nuts, steel	7829.9	78-21
screw, lag	7852.1	78-10
silicon bronze hex nut	7833.3	78-21
square head machine bolt with square nut	7807.1	78-19
staples, galvanized and copper-covered	5832.9	78-5
steel hex bolt	7847.1	78-17
steel hex head cap screw, high strength	7847.2	78-18
fault indicator, overhead	6850.00	70-38
fault limiter		
27 kV, submersible gas insulated	6840.4	68-10
backup current limiting fuse	6840.2	68-9
general, current-limiting fuse, type ET”	6840.1.1	68-10
general, current-limiting fuse, type X	6840.1	68-10
installation	6840.2	68-9
fertilizer	none	75-4
fiber optic		
accessories	none	80-2
aerial duct	8020.0	80-2
cable	8001.0	80-1
innerduct	8021.00	80-1

	matl std	stk cat
fiberglass streetlight		
poles	5745.0	57-2
square poles	5743.0	57-2
filler compound	none	75-2
fire detection system, *see network protector*		
fire extinguishing	none	76-6
blanket	none	11-2
mounting bracket for fire extinguisher	none	76-6
fire proofing cable	7365.2	73-33
firestop plug	none	70-53
first aid		11-1
		11-2
bandages	none	11-1
	none	11-2
burn gel	none	11-1
forceps	none	11-1
heat pack	none	11-2
ice pack	none	11-1
	none	11-2
scissors	none	11-1
fitting		
conductor, split-bolt tap, Cu, parallel	6688.7	65-19
conductor, lug, Cu	6688.3	65-20
conductor, bolted, tap lug, Cu to flat	6761.1	65-19
conduit, rigid Al	7343.5	73-65
conduit, cable protector	7318.1	73-78
condulets for Al or galvanized	7325.1	73-11
forged steel ball	6955.1	69-60
guy cable, eye nuts	5652.1	56-14
pipe fittings, PVC plastic, DWV and Schedule 40	7100.0	70-34-
pipe, PVC plastic, Schedule 40	7015.05	73-50
sidewalk pipe guy	5650.1	56-11
socket clevis	6960.2	69-60
socket eye, strain insulator	6955.2	69-60
steel conduit, galvanized	7050.05	73-72
strain insulator	6955.2	69-60
underground use - direct burial PVC	7345.7	73-53
flag		
red, staff	none	76-10
warning	7624.10	76-10
warning flag	7624.11	76-10
flame		
arc flash balaclava	4013.31	11-70
arc flash suit	4013.29	11-73
coveralls, flame resistant	4013.25	11-73
vest, safety, flame resistant	4015.10	11-78
vest, safety, flame resistant	4015.15	11-78
flashlight		
batteries	none	76-21
lantern	none	76-21
LED	7659.21	76-21
floodlight	5719.0	57-8
forceps, first aid	none	11-1
fork, vegetation management	none	76-42

	matl std	stk cat
frame and grating		
round vault frames	7204.7	70-56
hatch assembly, precast slab	7204.3	70-56
***FTB**, see backfill*		
funnel, polyethylene	7659.03	76-6
***fuse**, see cutout, arrester*		
bayonet type	none	68-7
connector, current limiting fuse, A, B, C, Q	none	68-9
connector bar	6849.1	68-9
cutout, K	none	68-7
cutout, enclosed, fused	6820.10	68-3
cutout, open type	6820.90	68-3
dual-element, 125 volt, time-delay, plug type, S and T	6855.15	68-52
dual-element, 250 volt, time-delay	6855.10	68-50
dummy, solid neutral slug	6855.07	68-60
electronic, small dimension, glass	6855.65	68-54
fast-acting, 125 volt, with pin indication	6855.40	68-56
fast-acting, 600 volt, current-limiting	6855.50	68-56
fault limiter, 27 kV, submersible, gas insulated	6840.4	68-10
fault limiter, backup current limiting	6840.2	68-9
fault limiter, general purpose current-limiting, type X	6840.1	68-10
fault limiter, general purpose current-limiting, type ET	6840.1.1	68-10
general purpose, 250 and 600 volt, non-current limiting	6855.05	68-50
glass, small dimension, electronic	6855.65	68-54
holder and mounting rack, 15.5 kV, submersible, 1Φ, 100 A	6849.5	68-10
holder and mountings, 26 kV unit substations & heavy industrial substations	6828.1	68-3
holder, in-line, water-resistant, and insulating boots	6857.05	68-58
holder, panel-mount	6857.10	68-58
holder, 600 volt, block type, non-rejection	6857.15	68-58
indicating, Positect	none	68-7
limiter, 600 volt, Al cable to Al cable	6836.6	68-14
limiter, 600 volt, Al cable to bus bar	6836.50	68-14
limiter, 600 volt, Cu cable to bus bar	6836.2	68-14
limiter, 600 volt, Cu cable to Cu cable	6836.3	68-14
limiter, cable to mole	none	68-14
links, distribution fuse	6837.10	68-7
molded current limiter (MCLF), submersible, 27 kV	none	68-11
mounting assembly, SM-5	6828.1	68-3
mounting assembly, SMD-20	none	68-3
network protector, secondary	none	68-12
padmount, K, 27 kV	none	68-7
padmount, PMH-5, S&C, accessories	6842.00	68-16
plug, dual-element, time-delay	6855.05	68-50
Positect, indicating	none	68-7
Positect, tube	none	68-3

fuse, continued	matl std	stk cat
power, SM-5, E	6828.1	68-7
power, SMU-20, E	none	68-7
S&C, padmount, PMH-5, accessories	6842.00	68-16
secondary, network protector	none	68-12
solid neutral slugs	6855.07	68-60
storage box, SMD-20	none	68-3
submersible, 15.5 kV, fuse holder and mounting rack, 1Φ, 100 A	6849.5	68-10
submersible, 27 kV, fault limiter, gas insulated	6840.4	68-10
substation, 26 kV, fuses, holders and mountings	6828.1	68-3
time-delay, 125 volt	6855.35	68-54
time-delay, 125 volt, dual-element, plug type, S- and T-Series	6855.15	68-52
time-delay, 480 volt	6855.25	68-52
time-delay, 250 volt, dual-element	6855.10	68-50
time-delay, plug, dual-element	6855.05	68-50
tube, Positect	none	68-3

g

gain, pole	5653.1	56-8
gas		
gasoline can	none	76-6
sulfur hexafluoride	7264.1	none
gasket		
90° apparatus bushing (26 kV network transformer) adapter plate	6862.9	70-47
90° apparatus bushing on 13 kV network transformer adapter ring and gasket	6862.8	70-47
gasket for terminator adapter plate	6862.01	70-47
gasket for terminator adapter plate	6862.2	70-49
gasket material, cork and synthetic (Buna n) rubber composition	7276.9	72-18
gasket, transformer to network protector	6867.9	70-49
gaskets, silicon sponge rubber	6862.7	56-78
G&W, 1Φ, 1/C, 27 kV terminator replacement adapter plate and gasket	6862.01	70-47
G&W, 1Φ, PATR 1802 terminator replacement adapter plate and gasket	6862.6	70-47
weld-in adapter ring and gasket for 13 kV PATR 1701 terminator replacement	6862.5	70-47
gasoline can	none	76-6
glasses		
case	none	11-44
cleaning solution	none	11-44
clip-on lenses	none	11-44
cord	none	11-44
safety	4008.10	11-42
tissue, lens cleaning	none	11-44
gloves		
glove bag	7601.3	76-1
latex	none	11-1
leather, general purpose	7634.17	11-13
leather protector, Class 0	7634.20	11-88
leather protector, Class 1 and 2	7634.21	11-88

gloves, *continued*	matl std	stk cat
liners, cotton, knit, for rubber or leather gloves	7634.3	11-12
Neoprene	none	11-12
nitrile, solvent resistant	none	11-12
rubber, solvent resistant	none	11-12
safety, rubber-insulating, Class 0	7634.60	11-86
safety, rubber-insulating, Class 1	7634.61	11-86
safety, rubber-insulating, Class 2	7634.62	11-86
vinyl	none	11-12
glue	none	75-3
goggle		
	none	11-46
arc flash	4013.31	11-46
Goldenrod, conductor	6000.20	60-1
graphite, lubricant	none	75-1
grease, lubricant	none	75-1
grip		
cable	none	70-43
cable, with swing latch	none	76-2
deadend	none	56-1
guy wire, deadend	5651.4	56-11
hot line latch	none	76-2
wire, jaw	none	76-2
ground, grounding		
bracket, wire support	none	56-5
cable to flat bar clamp	6766.1	65-23
Cadweld	6762.90	65-26
clamp	none	65-26
clamp, cable to flat bar	6766.1	65-23
clamp, conduit	6763.1	65-23
clamp, fiber optic	none	80-2
clamp, mast arm grounding, setscrew lug	none	65-23
clamp, setscrew lug, streetlight grounding	none	65-23
clamp, transformer grounding	6762.1	65-23
exothermic connection	6762.90	65-26
ground connector and stainless steel hose clamp	6763.1	65-23
ground rod installation	5642.10	56-13
ground rod clamp	none	65-23
ground rod clamp, 3/4-inch	5640.32	65-24
ground rod clamp, 5/8-inch	5640.30	65-24
ground to flat bar clamp	6766.1	65-23
ground to grid clamp	none	65-23
ground to rod or pipe clamp	6762.7	65-23
hose clamp ground connector	6763.1	65-23
molding, plastic, ground wire	5820.50	56-13
rods, copper-covered ground, sectional	5642.10	56-13
strap	none	56-13
water pipe clamp	none	73-74
welded connection	6762.90	65-26
guard		
cable wrap, polytetrafluorethylene	7353.6	73-39
line guards, formed Al	6589.3	56-2
marker, plastic, guy	5651.8	56-11
transformer connector	6762.1	65-23
wire, plastic guard	5651.13	56-2

	matl std	stk cat
guying		
Alumoweld	5651.4	56-11
anchor, *see*		
cable fittings, eye nuts	5652.1	56-14
deadend, automatic feed-through	5650.3	56-11
fittings, sidewalk pipe	5650.1	56-11
grips	5651.4	56-11
guard, plastic wire	5651.13	56-2
hooks and pole eye plates	5651.15	56-11
insulators, guy strain, glass-fiber, clevis-clevis, two rollers	6900.5	69-54
insulators, wet-process porcelain guy strain	6901.10	69-54
marker, plastic	5651.8	56-11
splices, automatic, full-tension guy strand	5653.4	56-11
wire	none	56-11
	5664.1	56-11
wire dispenser	none	56-11

h

hacksaw blade	7604.6	76-38
hammer	7638.1	76-23
handhold, see vault		
17″ x 28″ precast, secondary	7203.10	70-55
2´ x 3´ x 3´ precast	7203.08	70-55
secondary, composite fiberglass, reinforced plastic type	7203.12	70-55
handles		
handle extension, switch	2549.8	20-7
pick	7638.2	76-42
hard hat (cap), head protection		
cap, hard hat	-	11-30
	7639.0	11-30
chin strap	none	11-30
face shield, cap mount	none	11-48
face shield, arc flash	4013.31	11-48
liner	none	11-30
suspension	none	11-30
sweatband, clip-on	none	11-30
hat, *see hard hat*		
safety, electrical workers	7639.0	11-30
hatch assembly		
frame and cover, 42″ round cast iron	7204.7	70-27
hatch assembly, sidewalk type, 4´6″ x 8´0″ opening, frame, grating, precast slab	7204.3	70-27
hatchet	none	76-42
hazard, electrical, tag	7653.22	76-9
Hazeltine, transformer monitoring system, *see network protector*		
mounting kits, cables	none	70-39
switch	none	70-39
transmitter, DigitalGrid	none	70-39
transmitter, type “01”	none	70-39
transmitter, type “02”	none	70-39
transmitter, type “03”	none	70-39
transmitter support rack	7206.3	70-39
head protection, *see hard hat*		

	matl std	stk cat
hearing protection		
earmuffs	none	11-37
earplugs	none	11-37
heat shrink		
splice covers, cable caps and boots	7374.65	73-36
	7374.70	73-36
	7374.75	73-36
	7374.80	73-37
	7374.85	73-37
splice kit	none	73-35
	6873.11	70-16
splices, end seals	6871.3	70-18
splices, end seals	6871.3	70-18
	7374.80	73-37
	7374.85	73-37
torch	none	76-40
tubing	7374.65	73-36
	7374.70	73-36
	7374.75	73-36
high voltage cable		
115 kV, 1000 kcmil	6050.10	60-16
115 kV, 2500 kcmil	6050.25	60-16
115 kV, 3000 kcmil	6050.30	60-16
hinge	none	72-14
continuous, undrilled, stainless steel	7226.6	72-14
holder		
fuse, block-type, 600 V	6857.15	68-58
fuse, in-line holder	6857.05	68-58
fuse, panel-mount, 250 V	6857.10	68-58
fuse, substations, 26 kV	6828.1	68-3
lamp	none	73-23
	7331.0	73-23
reinforced porcelain	6907.1	69-1
switch tag, and assemblies	5817.1	20-8
hold open, tag	7653.22	76-9
hook, *see cable support*		
cable rack	7206.2	70-40
	7216.7	70-40
chain	none	76-1
grab	none	76-1
guy, and pole eye plates	5651.15	56-11
slip	none	76-1
tool, for sectionalizers	none	56-5
hose		
bag, canvas, line hose	7601.1	76-1
clamp	none	70-33
	6763.1	65-23
insulating, split	6910.30	56-82
pump	none	70-33
hub, connector	7311.4	73-9

i

Ibis, conductor	6000.00	60-1
splice, formed wire	6591.8	65-1
splice, full tension	none	65-1
ice pack	none	11-1

	matl std	stk cat
ice removal		
sidewalk	none	75-3
windshield	none	75-3
***identification**, see label, see signs*		
cable	none	73-40
indicator lights, network protector	none	
innerduct, corrugated	8021.00	80-1
insecticide/repellent	none	11-16
inspection report, vehicle driver	4019.85	11-95
insulating compound	none	75-2
insulating oil	7531.0	75-2
***insulating tape**, see tape*		
insulation cleaner		75-4
insulator and insulator equipment		
apparatus, post type	6901.80	69-30
base 115 kV	6901.55	69-26
base, 230 kV	6901.57	69-26
bolts, line post, stud	6901.31	69-66
bracket, post, pole-top mounting	5632.06	69-68
bus bar support	6908.1	70-29
bus insulator support, secondary	6968.1	70-29
bus support, phenolic spool	6908.0	70-29
cable support, ceramic	none	70-41
cable support, thermoplastic	none	70-41
clamp top, horizontal post	6901.60	69-12
clevises and insulator, porcelain	6904.10	69-1
contaminated insulator performance test, 26 kV	6840.3	none
covers, sleeves and plugs	6786.2	65-12
fiberglass, guy strain, clevis-clevis	6900.5	69-54
fittings, ball, steel	6955.1	69-60
fittings, steel pins	5671.1	56-4
fittings, strain	6955.2	69-60
fittings, strain, socket eye	6960.2	69-60
guy strain, clevis-clevis, 2 rollers	6900.5	69-54
guy strain, wet-process porcelain	6901.10	69-54
horizontal line-post, polymer	6901.55	69-26
horizontal line post, polymer, 115 kV	6901.55	69-26
horizontal line post, polymer, 230 kV	6901.57	69-26
horizontal line-post, porcelain	6901.50	69-22
horizontal post mounting bracket	5632.7	69-68
horizontal post, clamp top	6901.60	69-12
hose	6910.30	56-82
line post	6901.30	69-12
line post , clamp top, vertical	6901.40	69-12
line post, horizontal , 115 kV	6901.55	69-26
line post, horizontal , 230 kV	6901.57	69-26
line post stud bolts	6901.31	69-66
line post, trunnion	6951.5	69-78
line-post, horizontal, polymer	6901.55	69-26
line-post, horizontal, porcelain	6901.50	69-22
medium-voltage, pin-type	6900.10	69-10

***insulator and insulator equipment**, continued*	matl std	stk cat
phenolic spool, bus support	6908.1	70-29
phenolic spool, neutral bus support	6908.0	70-29
pin, insulator, galvanized forged steel	5671.1	56-4
pin-type, medium-voltage	6900.10	69-10
plug, insulating	6786.2	65-11
polymer, horizontal line post, 115 kV	6901.55	69-26
polymer, horizontal line post, 230 kV	6901.57	69-26
polymer, station post, 115 kV	6901.95	69-32
polymer, station post, 230 kV	6901.97	69-32
polymer, suspension, 26.4 kV	6902.30	69-14
polymer, suspension, 115 kV	6902.35	69-24
polymer, suspension, 230 kV	6902.37	69-24
polymer, vertical line post, 115 kV	6901.95	69-32
porcelain spool	6906.1	69-1
porcelain, clevises with insulator	6904.10	69-1
porcelain, guy strain, wet-process	6901.10	69-54
porcelain, horizontal line-post	6901.50	69-22
porcelain, horizontal post, clamp top	6901.60	69-12
porcelain, line post , clamp top, vertical	6901.40	69-12
porcelain, post, apparatus	6901.80	69-30
porcelain, secondary spool with bracket	6904.20	69-1
porcelain, suspension, ball and socket type	6902.5	69-20
porcelain, suspension, ball and socket type	6902.5	69-20
porcelain, wireholders	6907.1	69-1
post, apparatus	6901.80	69-30
post, pole-top mounting bracket	5632.06	69-68
secondary spool with bracket, porcelain	6904.20	69-1
side arm, insulator mounting bracket	none	69-68
sleeves, insulating	6786.2	65-12
sleeves, insulating, covers, and plugs	6786.2	65-11
spool, phenolic, neutral bus support	6908.0	70-29
spool, porcelain	6906.1	69-1
station post, polymer, 115 kV	6901.95	69-32
station post, polymer, 230 kV	6901.97	69-32
steel fittings, ball	6955.1	69-60
steel pins	5671.1	56-4
strain fittings	6955.2	69-60
strain fittings - socket eye	6960.2	69-60
stud bolts, line post	6901.31	69-66
sulfur hexafluoride gas	7264.1	none
support, bus bar	6908.1	70-29
suspension, polymer, 26.4 kV	6902.30	69-14
suspension, polymer, 115 kV	6902.35	69-24
suspension, polymer, 230 kV	6902.37	69-24
suspension, porcelain, ball and socket type	6902.5	69-20

	matl std	stk cat
tape, *see tape*		73-33
tape, insulating, wildlife protection	6910.40	56-84
test, contaminated, 26 kV	6840.3	none
ties	none	56-2
trunnion, line post	6951.5	69-78
vertical, line post , clamp top	6901.40	69-12
wireholders, reinforced porcelain	6907.1	69-1
***IWCB**, see bus*		
accessories for assembly	6808.9	70-30
clamp, beam	none	70-30
connector plate for 6″ and 8″	6808.6	70-30
current transformer connector plate	6808.8	70-30
insulator brackets	6808.11	70-29
insulator plate	6808.7	70-29
rail	6808.9	70-30
rail tie	6808.9	70-30

j

jacking lug		
composite pole	5214.14	50-20
Janthina, conductor	6007.50	60-20
***j box**, see junction box*		
***joint**, see connection*		
joint compound		
cable	none	75-2
oxide inhibiting and lubricating, no grit	7261.1	75-2
oxide-inhibiting, synthetic base, no grit	7261.12	75-2
oxide-inhibiting, synthetic base, with grit	7261.8	75-2
joint tape, wallboard	none	72-9
network protector fire protection retrofit	7326.0	none

k

keep open tag	7653.22	76-9
kerosene	none	75-1
knife, skinning	none	76-1

l

label		
cable locating caution tape	none	73-40
call before you dig	none	76-9
communication cable marker	none	76-9
fiber optic cable marker	none	76-9
first aid kit	none	76-9
operations, switching and tagging	7653.22	76-9
pump discharge warning tape	none	73-40
ladder		
ladder shoes	7644.20	76-7
wood, single and extension, extra heavy-duty	7644.20	76-7
lamp		
fluorescent	7303.0	73-31
incandescent, medium base	5722.10	57-19

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incandescent, mogul base	5722.15	57-19
HPS, standard life, medium base	5722.20	57-20
HPS, 30,000 hour, mogul base	5722.45	57-20
HPS, for mercury luminaires	5722.50	57-20
mercury	5722.60	57-19
metal halide	5722.70	57-19
lampholder	7331.0	73-23
Lander, conductor	6010.10	60-24
leather glove protector		
Class 0	7634.20	11-88
Class 1 and 2	7634.21	11-88
LED		
flashlight	7659.21	76-21
luminaire	5723.51	57-14
letters		
letters, adhesive, reflective	7650.07	76-16
lighting		
contact controller	5685.00	57-22
lightning arrester		
3 kV heavy duty distribution class	6800.1	68-1
21 kV heavy duty distribution class	6801.40	68-1
21 kV intermediate class, metal oxide	6801.3	68-1
limiter		
600 volt, Al cable to Al cable	6836.6	68-14
600 volt, Al cable to bus bar	6836.50	68-14
600 volt, Cu cable to bus bar	6836.2	68-14
600 volt, Cu cable to Cu cable	6836.3	68-14
fault, 27 kV, submersible gas insulated	6840.4	68-10
fault, general purpose current-limiting fuse, type X	6840.1	68-10
fault limiter, general purpose current-limiting fuse, type ET	6840.1.1	68-10
line guards	6589.3	56-2
line post insulator		
horizontal	6901.50	69-22
horizontal, polymer, 115 kV	6901.55	69-26
horizontal, polymer, 230 kV	6901.57	69-26
horizontal post, clamp top	6901.60	69-12
line post , clamp top, vertical	6901.40	69-12
line post insulator	6901.30	69-12
line post insulator stud bolt	6901.31	69-66
mounting bracket	5632.7	69-68
stud bolt	6901.31	69-66
trunnion	6951.5	69-78
liner		
glove, cotton, knit, for rubber or leather	7634.3	11-12
pole	5092.00	50-30
loadbreak		
cabinet, terminating	7205.1	70-26
cover, elbow, mud	6864.03	70-7
recording card	7653.16	70-7
tool hook	none	56-5
lockout, tag	7653.22	76-9
lopper, vegetation trimming tool	none	76-42
lubricant		
cable-pulling	7262.2	75-2
graphite	none	75-1

lubricant, continued	matl std	stk cat
incandescent, mogul base	5722.15	57-19
HPS, standard life, medium base	5722.20	57-20
oil	none	75-1
oxide inhibiting	7261.1	75-2
switch contact	7510.44	20-8
oxide-inhibiting, synthetic base	7261.12	75-2
oxide-inhibiting, synthetic base	7261.8	75-2
***lug**, see connector or terminal*		
luminaire		
3 ball, globe	5721.0	57-11
5th Avenue, pedestrian, single	none	57-11
alley, wall mount, HPS	none	57-8
ballasts	none	57-17
capitals, Broadmoor post top	none	57-23
compression plate for 3 ball globe	5721.0	57-11
Conserva, HPS	none	57-8
flat lens, HPS	5723.1	57-8
flood, HPS	none	57-8
fractors, Cobra lens	none	57-15
globe	none	57-15
induction ball globe fixture	5724.00	57-11
LED luminaire	5723.51	57-14
lens	none	57-15
lowmount, HPS	none	57-8
obsolescent, replacement	none	57-13
plate, compression, for 3 ball, globe	5721.0	57-11
post top, international district	none	57-10
refractors	none	57-15
residential, HPS	none	57-13
	none	57-12
	5723.2	57-12
	5723.3	57-12
shoebox type, high-pressure sodium	5723.2	57-12
single globe, HPS	none	57-11
starters	none	57-17
Westlake pedestrian, two bracket	none	57-11

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machete, vegetation management	none	76-42
Mallard, conductor	6000.00	60-1
armor rod, formed	6589.1	56-2
deadend connector	none	65-6
repair sleeve	none	65-1
splice, formed wire	none	65-1
splice, full tension	none	65-1
terminal lug	none	65-6
mandrel, conduit proofing	7645.40	73-78
marker, guy	5651.8	56-11
maul	7638.1	76-23
MCLF, molded current limiter fuse	none	68-11
metals		74-1
Babbitt metal	7403.4	74-1
meter		
base, adapter	none	40-2
base, installation		40-2

	matl std	stk cat
bypass plug, socket	none	40-2
cabinetmetering , padmount, primary	6828.8	70-26
cover	none	40-2
jumper, socket	none	40-2
keylock box	none	40-2
kilowatt hour	none	40-1
ring	none	40-2
seal	none	40-2
transformer	none	40-1
molded current limiter fuse (MCLF)	none	68-11
molding		
plastic, ground wire	5820.50	56-13
staples	5832.9	78-5
mop		
bucket	none	77-1
handle	none	77-2
head	none	77-1

n

nails		78-5
nameplate, porcelain	7217.5	none
naming, *see label or id*		
neats-foot oil	none	75-3
network protector system		
fuses	none	68-12
gasket, transformer to network protector	6867.9	70-49
indicator light	none	
junction box, fire protection retrofit	7326.0	none
mounting kits, cables	none	70-39
relay	none	30-3
sensor	none	70-39
sensor fluid	none	70-39
switch, transmitter	none	70-39
transformer mount, non-submersible	none	30-3
transformermount, submersible	none	30-3
	3322.0	30-3
switch	none	70-39
transmitter, DigitalGrid	none	70-39
transmitter, type “01”	none	70-39
transmitter, type “02”	none	70-39
transmitter, type “03”	none	70-39
transmitter support rack	7206.3	70-39
wall-mounted, non-submersible, bus tie switch	none	30-3
wall-mounted, submersible, bus tie switch	none	30-3
	3322.5	30-3
numerals		
numbers, pole tag	7650.13	76-16
numerals, adhesive, reflective	7650.07	76-16
nut		
aluminum, hex, heavy	7846.15	78-12
clevis	5652.5	56-14
eye, guy cable fittings	5652.1	56-14
guying anchor		56-10
silicon bronze, hex	7833.3	78-21
steel	7829.9	78-21

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	matl std	stk cat
oil		
insulating, electrical, naphthenic	7531.0	75-2
lubricant	none	75-1
Olive, conductor	6005.1	60-1
operations, tag	7653.22	76-9
oxide inhibiting		
compound, and lubricant	7261.1	75-2
compound, and lubricant, synthetic base	7261.12	75-2
compound, and lubricant, synthetic base	7261.8	75-2
outlet (receptacle)		
	7330.0	73-22
	7330.0	73-23
overhead, *see transmission, transformers*		
fault limiter installation	6840.2	68-9
sectionalizer installation	2501.45	20-3
	2501.45	20-3
tap, Ampact	none	65-8

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padmount / pad		
metering cabinet, primary	6828.8	70-26
switchgear	2501.6	none
	2501.9	20-1
transformer	0039.3	30-9
	4220.00	30-7
	4240.00	30-7
	0039.5	none
	0039.3	30-9
padmount switch, *see switch*		
Page, conductor	6010.10	60-24
paint		
	none	72-21
sealer	none	72-21
	none	72-22
solvent	none	72-21
spray	none	72-20
	7240.80	72-21
survey and construction marking paint	7240.80	72-21
traffic marking	none	72-20
Palomino, conductor	6007.50	60-20
parking stand		
examples	-	70-4
PCB		
boot cover	none	11-92
coverall	none	11-73
label	none	76-8
peatmoss		75-4
peavey, pole tool	none	76-42
penetrants	none	75-1
photoelectric control		
20-year design	5693.10	57-21
contact controller	5685.00	57-22

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mounting bracket	5693.2	57-21
relay	none	57-21
shorting cap	5693.00	57-21
standard life	5693.00	57-21
stem mount	none	57-21
UV inhibitor plate	none	57-21
pick ax		
handle only, hickory	7638.2	76-42
mounting wedge	none	76-42
pick ax, 3 lb	none	76-42
pigtail connector, adapter	6772.0	65-9
pin		
cotter, humpback, stainless steel	5825.90	56-14
insulator galvanized forged steel	5671.1	56-4
steel plate, hold down	none	70-51
pipe brace		
5-foot Al	5630.3	56-4
9-foot and 12-foot	5630.5	56-4
pipe clamp		20-7
		70-33
		70-44
pipe/pipe fittings		
bushings, PVC	7100.0	70-34
conduits, rigid steel, galvanized	7050.05	73-70
copper	6305.0	60-40
fittings, PVC, DWV and Schedule 40	7100.0	70-34
joint compound	none	75-3
lubricant	none	75-3
Mitee	none	75-3
sidewalk pipe guy	5650.1	56-11
spacer, insulator pin	none	56-4
spacer, pipe-strap, one-hole, malleable	7134.6	73-12
strap, one-hole, malleable	7134.5	73-12
strap, pipe, two-hole	7134.7	73-12
tee, PVC	7100.0	70-34
thread sealant	none	75-2
	none	75-3
valve, PVC	7100.0	70-34
pipe thread seal		
	none	75-2
	none	75-3
planter arm, pole	none	57-4
plaster, plasterboard	none	72-9
plate		
90° apparatus bushing adapter, 26 kV network transformer	6862.9	70-47
adapter for 1Φ, G&W, 1/C, 27-kV terminator replacement	6862.01	70-47
anchor	5622.17	56-10
	5622.24	56-10
bus tie switch connector	6808.12	70-30
compression, for 3 globe luminaire	5721.0	57-11
connector, 6″ and 8″, IWCB	6808.6	70-30
connector for 8″ IWCB	6808.8	70-30
galvanized, double and quadruple arming	5826.7	56-4
gasket for terminator adapter	6862.2	70-49

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guy hooks	5651.15	56-11
insulator for 8″ and 8″ IWCB	6808.7	70-29
pin, construction steel plate, hold down	none	70-51
pole eye	5651.15	56-11
porcelain enamel name plates	7217.5	none
G&W, 1Φ, PATR 1802 terminator replacement adapter	6862.6	70-47
terminator adapter to replace 3/C, 27 kV pothead	6862.3	70-49
terminator adapter, 3/C, 34.5 kV pothead	6862.4	70-49
weld-in adapter ring and gasket	6862.5	70-47
plug		
fuse, plug, dual-element, time-delay	6855.15	68-52
insulating sleeve plugs	6786.2	65-11
pole, treated dowel	none	56-8
wiring device	7331.0	73-22
	none	73-21
plywood grading	-	72-1
	-	72-2
plywood, shoring	none	72-4
pole and pole related equipment		
aluminum, streetlight	5739.8	57-1
aluminum, streetlight, residential, anchor base	5739.10	57-1
banding materials	none	56-8
brace, 5-foot Al special	5630.3	56-4
brace, 9- and 12-foot special pipe brace	5630.5	56-4
brace, crossarm	5630.1	56-4
brace, crossarm, vertical spacing	5630.7	56-4
bracket arm, Al, luminaire support	5705.1	57-4
	5705.2	57-4
	5705.3	57-4
bracket arm, luminaire support	none	57-4
cedar, butt-treated	5072.00	50-10
Chief Seattle, streetlight	none	56-2
composite	5214.14	50-20
concrete, streetlight	none	56-2
crossarms, Douglas-fir	5400.00	50-20
fiberglass, square, streetlight	5743.0	57-2
fiberglass, streetlight	5745.0	57-2
fir, pressure-treated	5082.00	50-10
gain	5653.1	56-8
jacking lug	5214.14	50-20
liner	5092.00	50-30
modular	5214.14	50-20
number, pole	7650.13	76-16
peavey, hook tool	none	76-42
plug, treated dowel	none	56-8
pressure-treated, Douglas-fir	5082.00	50-10
square fiberglass streetlight	5743.0	57-2
stay	none	56-8
step	5214.14	50-20
streetlight, *see streetlight*		
streetlight, Al	5739.8	57-1
streetlight, Al, residential, anchor base	5739.10	57-1

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streetlight, Chief Seattle	none	56-2
streetlight, concrete	none	56-2
steel, embedded	none	50-20
steel, embedded, streetlight	5744.0	57-2
stub guard	none	50-20
stubbing materials	none	56-8
tag, pole	7650.13	76-16
top cap, composite	5214.14	50-20
western red cedar, butt-treated	5072.00	50-10
wood, pressure-treated, Douglas-fir	5082.00	50-10
wood, western red cedar, butt-treated	5072.00	50-10
pole riser		
bracket	6867.50	70-44
conduit	6867.50	70-44
pothead adapter	none	70-45
power pole, *see pole*		
preservative, metal		72-21
preservative, wood		
crossarms	5400.00	50-20
field kit	none	75-14
liners	5092.00	50-30
wood pole	5072.00	50-10
	5082.00	50-10
pressure relief valve	2940.1	30-1
proofing mandrel	7645.40	73-78
protection, *see wildlife protection, see safety*		
cable, conduit	7318.1	73-78
gasket, transformer to network	6867.9	70-49
glove, Class 0	7634.20	11-88
glove, Class 1 and 2	7634.21	11-88
junction box for fire protection retrofit	7326.0	none
modified, secondary network wall-mounted, submersible	3322.5	30-3
secondary network, transformer-mounted, submersible	3322.0	30-3
prunning, folige		76-42
pulling cable, *see cable pulling*		
pulling irons	none	70-28
pull tape	none	73-78
pump		
brick, elevation adjustment	none	70-33
cast iron, sump	7392.8	70-33
hose	none	70-33
hose clamp	none	70-33
pipe fittings, PVC	7100.00	70-34
switch	none	70-33
PVC		
cement	none	75-3
conduit	7015.05	73-50
	7020.05	73-56
conduit adapter	7015.05	75-3
	7345.7	75-3
conduit fittings	7015.05	73-52
	7100.00	73-53
conduit reducer	none	75-3
conduit repair	none	75-3

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end bell	7345.7	73-53
pipe fitting	7100.00	70-34
primer	none	75-3
solvent	none	75-3
wire guard	5651.13	56-2

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rack		
brackets, transformer and extension	5805.1	69-68
fuse holder and mounting	6849.5	68-10
Hazeltine transmitter support	7206.3	70-39
hooks, cable, steel	7206.2	70-40
straps, secondary, reinforcing	5833.9	56-4
Rail, conductor	6000.00	60-1
deadend connector	none	65-6
splice, formed wire	none	65-1
splice, full tension	none	65-1
terminal lug	none	65-6
rail, IWCB		
	6808.9	70-30
tie	6808.9	70-30
rake, vegetation management tool	none	76-42
raptor protection	6910.10	56-80
receptacle		
outlet	7330.0	73-22
	7330.0	73-23
"recloser off" tag	7653.22	76-9
recording card	7653.16	70-7
Regis, conductor	6010.10	60-24
regulator		
	none	30-1
acetylene	none	76-40
relay		
219 plug-in, 12 pin, 10 amps, CNT series	5832.9	78-5
remote transformer monitoring system		
transmitter support rack	7206.3	70-39
report, vehicle inspection	4019.85	11-95
respiratory protection		
masks	none	11-2
masks, disposable	none	11-10
respirator	none	11-10
respirator cartridges	none	11-10
respirator cleaner	none	11-2
Rider, conductor	6010.10	60-24
risers	6010.10	60-24
rod		
armor, formed Al	6589.1	56-2
copper-covered ground, sectional, *see grounding*	5642.10	56-13
guying anchor	5622.33	56-10
roof saddle, clearance, maintenance	none	56-7
slings, wire rope	7654.5	76-5
synthetic fiber	7272.2	72-16

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rubber		
hose, insulating	6910.30	56-82
tape, insulating	6910.40	56-84
Rutgers, conductor	6010.10	60-24

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saddle, roof, clearance, maintenance	none	56-7
safety, see hard hat		
accessories, arc flash	4013.31	11-48
apron, chemical resistant	none	11-70
balaclava, arc flash	4013.31	11-70
bee insecticide	none	11-16
blankets, rubber insulating	7633.3	76-3
	none	76-3
burn gel	none	11-1
coveralls, asbestos	none	11-73
coveralls, flame resistant	4013.25	11-73
coveralls, PCB	none	11-73
dog repellent	none	11-16
face shield, arc flash	4013.31	11-48
fire extinguisher	none	76-6
first aid	several	11-1
	none	11-2
flag, warning	7624.10	76-10
flare	none	76-6
flare kit	none	76-11
glasses, safety	4008.10	11-42
gloves, leather protector, Class 0	7634.20	11-88
gloves, leather protector, Class 1 and 2	7634.21	11-88
gloves, leather, general purpose	7634.17	11-13
gloves, rubber-insulating, Class 0	7634.60	11-86
gloves, rubber-insulating, Class 1	7634.61	11-86
gloves, rubber-insulating, Class 2	7634.62	11-86
goggle, arc	4013.31	11-46
hats, electrical workers	7639.0	11-30
hornet insecticide	none	11-16
insect repellent	none	11-16
insecticide	none	11-16
instruction chart		11-1
non-skid tape, for use of vault ladders	none	72-18
reflective strips	none	11-78
reflective triangle	none	76-11
respiratory protection	none	11-10
sanitizer, alchol	none	11-12
sanitizer, towel	none	76-10
signs	several	76-8
	none	76-10
	none	76-11
spider insecticide	none	11-16
staff, warning flag	7624.11	76-10
suits, arc flash	4013.29	11-73
surfactant	none	11-10
tag	7653.22	76-9
tagout	7653.22	76-9
traffic safety cone	7611.10	76-11

***safety**, continuede*	matl std	stk cat
vehicle inspection	4019.85	11-95
vest, traffic safety, light-weight	4015.15	11-78
vest, traffic safety, standard-weight	4015.10	11-78
wasp insecticide	none	11-16
saw, hack saw blades		
hand, high speed, bi-metal	7604.6	76-38
***Schedule 40 PVC**, see conduit*	7015.05	73-50
***Schedule 80 PVC**, see conduit*	7020.05	73-56
scissors, first aid	none	11-1
screw		
anchors, light-duty	7800.7	78-2
cap, Al, hex head, heavy	7846.10	78-12
cap, silicon bronze, hex head	7845.1	78-18
cap, steel, hex head, high strength	7847.2	78-18
lag screw	7852.1	78-10
steel, hex	7847.1	78-17
sectionalizer		
dry type, resettable, 38 kV, 200 ampere	2501.45	20-3
	2501.45	20-3
tool hook	none	56-5
seismic		
anchor	none	78-2
***separable connector**, see bushing*		
cable adapter, deadbreak	6864.15	70-63
	6864.25	70-82
connectors	6864.00	70-2
deadbreak	6863.15	70-10
deadbreak, 200 A	6864.15	70-10
deadbreak, 200 A, accessories	6864.17	70-11
	6864.17	70-12
	6864.17	70-13
	6864.17	70-14
deadbreak, 600 A	6863.16	70-65
deadbreak, 600 A, accessories		
	6863.15	70-63
	6863.16	70-66
	6863.25	70-82
	6863.27	70-84
deadbreak, 900 A		
	6863.15	70-63
	6863.25	70-82
	6863.34	70-94
deadbreak, 900 A, accessories	6863.37	70-96
deadbreak, components	6863.25	70-82
loadbreak	6864.05	70-3
loadbreak probe	6864.05	70-3
loadbreak, accessories	6864.07	70-4
	6864.07	70-5
	6864.07	70-7
service connection		
cap	7314.4	73-10
Sewanee, conductor	6010.10	60-24
shackle		
anchor, round pin	6966.15	69-62
anchor, screw pin	6966.17	69-62

	matl std	stk cat
shovel	none	76-42
sign		
arrow (symbol), orange and black	none	76-11
asbestos, tape	none	76-10
be prepared to stop	none	76-10
brace	none	76-10
buried electric cable, marking tape	none	73-40
call before you dig, label	none	76-9
danger	7651.9	76-8
danger, authorized personnel …	none	76-8
danger, electric high voltage, multiple language	none	76-8
danger, high voltage	7652.0	76-8
danger, high voltage	7651.10	76-8
danger, high voltage - keep off	7652.5	76-8
double transition	none	76-10
electrical vault …	none	76-8
first aid kit inside, label	none	76-9
flag	7624.10	76-10
flag, red	none	76-10
flagger (symbol)	none	76-10
hazardous area, tape	none	76-10
holder	none	76-10
less than 1 ppm PCB, label	none	76-8
marking tape, buried electric line	none	70-51
marking tape, pump discharge	none	70-51
PCB, label	none	76-8
porcelain enamel nameplates	7217.5	none
pump discharge warning tape	none	73-40
reflective letters and numbers	7650.07	76-16
road closed ahead	none	76-10
right lane closed ahead (left overlay)	none	76-10
slow, orange and black	none	76-11
slow/stop, paddle	7651.8	76-10
slow/stop, roll-up	none	76-10
staff	7624.11	76-10
stripe (symbol), tape yellow and black	none	76-10
tower, circuit identification	7652.4	76-8
traffic control	7651.8	76-10
truck mount	none	76-10
utility work ahead	none	76-10
silicone		
grease, lubricating	none	70-51
hose, insulating	6910.30	56-82
tape, insulating	6910.40	56-84
tape, pole wrapping	5092.00	50-30
drill	7615.1	76-27
wire gage	7616.1	76-27
skinning knife	none	76-1
sledge hammer	7638.1	76-23
sling		
nylon	7654.80	76-5
wire rope	7654.5	76-5
Slippery Rock, conductor	6010.10	60-24

	matl std	stk cat
slug, solid neutral	6855.07	68-60
snap, with swivel	none	76-1
soda	none	75-3
spacer		
conduit, plastic	7346.8	73-78
insulator pin	none	56-4
pipe-strap, one-hole	7134.6	73-12
pipe, PVC plastic	7100.0	70-34
sidewalk pipe guy	5650.1	56-11
spikes, bird protection	6912.07	56-86
15 kV through 25 kV, cold shrink	6871.4	70-17
15 kV through 46 kV, heat shrink	6871.3	70-18
25 kV, 2/C, XLP modular kit	none	70-17
Al, full tension	6501.1	65-1
AAC, full tension	none	65-1
	6501.1	65-1
AAC, partial tension	6501.1	65-1
ACSR, full tension	none	65-1
	6501.1	65-1
ACSR, neutral messenger	6774.3	65-3
ACSR, repair sleeve	none	65-1
automatic line, Cu	6775.4	65-15
automatic, ACSR, full tension	6775.6	65-1
automatic, full-tension, guy strand	5653.4	56-11
butt, insulated	6771.30	65-28
butt, non-insulated	6771.20	65-29
cable boots, heat shrink	7374.80	73-37
cable caps, sealing, cold shrink	none	73-37
cable caps, sealing, heat shrink	7374.85	73-37
compression, Cu	6773.8	65-17
covers, heat shrinkable	none	73-35
	7374.75	73-36
formed wire, for ACSR and all-Aluminimum conductor	6591.8	65-1
full tension, Al	6501.1	65-1
full tension, AAC	none	65-1
	6501.1	65-1
full tension, ACSR	none	65-1
	6501.1	65-1
full tension , automatic, ACSR	6775.6	65-1
full-tension, automatic, guy strand	5653.4	56-11
guying, automatic	5634.4	56-11
heat shrink, kit	6873.11	70-16
minimum tension	6501.1	65-1
neutral messenger, compression, ACSR	6774.3	65-3
partial tension	6501.1	65-1
reducing	none	65-4
sleeve, compression, full tension	6778.1	65-15
streetlight, submersible	none	65-12
tape, *see tape*	several	73-34
wedge	none	65-3
wye, compression, Cu	6775.10	65-18

	matl std	stk cat
split, insulating hose	6910.30	56-82
stake, survey	7217.80	72-4
staples	5832.9	78-5
starters	none	57-17
"station warning tag"	7653.22	76-9
stay, pole	none	56-8
steel conduit and fittings	7050.05	73-70
steel pole, embedded, streetlight	5744.0	57-2
***step**, see hook*		
***stirrup**, see connector*	none	65-8
strainer, sink	none	71-10
strain insulator		
fittings	6955.2	69-60
fittings, socket eye	6960.2	69-60
glass-fiber, clevis-clevis, two rollers	6900.5	69-54
wet-process porcelain	6901.10	69-54
strap		
one-hole, pipe, malleable iron	7134.5	73-12
one-hole, pipe, malleable iron	7134.6	73-12
groundingperforated copper	none	56-13
hanger	none	71-10
plastic tie, adjustable	7358.1	73-40
secondary rack reinforcing	5833.9	56-4
two-hole, pipe	7134.7	73-12
street construction steel plate, hold down pin	none	70-51
***streetlight**, see streetlight base, see luminaire*		
alley wall, bracket arm	5705.3	57-4
ballasts	none	57-17
banner arm	none	57-4
bracket arm, Al, luminaire support for alley wall mounting	5705.3	57-4
bracket arm, Al, luminaire support for metal poles	5705.2	57-4
bracket arm, Al, luminaire support for wood poles	5705.1	57-4
bracket arm, davit type, luminaire support for Al poles	none	57-4
bracket, photoelectric control mounting	5693.2	57-21
cable, overhead, cross-linked polyethylene-insulated	6404.40	60-20
cable, underground, cross-linked polyethylene-insulated	6404.50	60-26
controller, *see photocontroller*		
floodlight	5719.0	57-8
	5719.0	57-8
globe, *see luminaire*		57-15
photoelectric controller	5693.00	57-21
photoelectric control, 20-year design	5693.10	57-21
photoelectric control mounting bracket	5693.2	57-21
planter arm	none	57-4
plate, compression, for 3 globe luminaire	5721.0	57-11
pole, Al	none	57-1
	5739.8	57-1
pole, fiberglass	5745.0	57-2
pole, fiberglass, square	5743.0	57-2
pole, steel, embedded	5744.0	57-2

	matl std	stk cat
refractors, *see luminaire*	none	57-15
receptacle, power	none	57-121
splice, submersible	none	65-12
starters	none	57-17
transformer, Aladdin	none	57-23
UV inhibitor plate	none	57-21
streetlight base		
anchor bolt	none	57-23
Al	5739.8	57-1
Aladdin	none	57-10
bolt	none	57-23
Chief Seattle	5680.0	57-10
Chief Seattle, Metro strain	none	57-10
collar, Chief Seattle	5680.0	57-10
collar, Chief Seattle, Metro strain	none	57-10
decorative	none	57-6
door, Chief Seattle	none	57-23
door, Green Lake	none	57-23
door, oval	none	57-23
foundation, concrete	none	57-6
residential, anchor base welded to pole	5739.10	57-1
transformer (streetlight pole base)	none	57-6
transformer base anchor bolt washer	none	57-6
***stub**, see pole*		
stud		
anchors, light-duty bolt	7800.9	78-3
light-duty bolt	7800.9	78-3
stud for line post insulators	6901.31	69-66
substation components		
connector, lugs	none	65-6
connector, lugs, universal and tube type	6677.1	65-21
connector, terminal	none	65-21
connector, terminal, “T”	none	65-21
relay soccket	none	20-9
terminal block	2903.1	20-9
	2903.20	20-11
test switch	2905.00	20-9
suit, arc flash	4013.29	11-73
sulfur hexafluoride	7264.1	none
***sump system**, see pump*	7392.8	70-33
sunscreen	none	11-2
support		
#1 and 350 kcmil 28kV cable	7206.10	70-29
base, neutral bus	6908.2	70-29
bracket, 600 amp splice and tap	7206.11	70-42
cable	7206.5	70-45
Hazeltine transmitter rack	7206.3	70-39
insulating connector sleeve cover, streetlight adapter	6786.2	65-11
insulating connector sleeve	6786.2	65-12
insulating connector sleeve plug	6786.2	65-12
insulating connector sleeve, streetlight adapter	6786.2	67-80
	6780.0	65-11
insulator, phenolic spool, neutral bus	6908.0	70-29
luminaire for alley wall mounting	5705.3	57-4

	matl std	stk cat
luminaire for davit type	none	57-4
luminaire for metal poles	5705.2	57-4
luminaire for wood poles	5705.1	57-4
secondary bus insulator	6968.1	70-29
surge arrester		
3 kV heavy duty distribution class	6800.1	68-1
21 kV heavy duty distribution class, polymer	6801.40	68-1
21 kV intermediate class, polymer	6801.60	68-1
21 kV intermediate class, porcelain	6801.3	68-1
survey		
marking paint	7240.80	72-21
stake	7217.80	72-4
Susquehanna, conductor	6010.10	60-24
Sweetbriar, conductor	6010.10	60-24
switchboard		
lamp	none	73-30
terminals	none	65-28
switchgear and switch equipment		
15.5 & 29 kV, 3Φ, SF6, multipurpose, distribution, remote controlled	4501.67	20-4
	2549.8	20-7
lubricant, switch contact	7510.44	20-8
maintenance supplies	none	20-7
	2549.8	20-7
modified protector, secondary network wall-mounted, submersible	3322.5	30-3
overhead distribution switch, 27 kV, gang-operated	4501.50	20-5
protector, secondary network, transformer-mounted, submersible	3322.0	30-3
remote motor operator	4501.61	20-4
	4501.65	20-4
	4501.67	20-4
sectionalizer, dry type, resettable, 38 kV, 200 ampere	2501.45	20-3
S&C switch parts	none	20-7
SF6 puffer, 27 kV, submersible, 3Φ, 600 ampere	2500.6	20-3
tag holder	5817.1	20-8
test, 600 volt, 300 amps	2805.00	20-9
toggle, flush	7333.0	73-25
switching and tagging	7653.22	76-9
swivel		
hanger	none	70-43
steel	none	76-1

t

tag		
“Abnormal Condition”	7653.22	76-9
danger	7653.22	76-9
cable	none	73-40
“Danger Crew Working Keep Open”	7653.22	76-9
number tag and holder, pole	7650.13	76-16
operations	7653.22	76-9
“Recloser Off”	7653.22	76-9
“Station Warning”	7653.22	76-9

	matl std	stk cat
tagout	7653.22	76-9
streetlight	6780.0	65-11
tap, *see connector*		
tap lug	6761.1	65-19
streetlight	6780.0	65-11
tape		
Aqua seal, insulating	7364.70	73-33
arc proofing	7365.20	73-33
barricade	none	76-10
cable marking, detectable foil, direct-buried	none	70-51
cable wrap, polytetrafluorethylene	7353.6	73-39
conduit marking	none	70-51
cotton, woven, electrical	7361.9	73-34
crepe, carbon black	none	73-34
Dacron, high voltage	none	73-34
detectable foil, *see cable marking*		
duct	none	73-40
electrical, cotton, woven	7361.9	73-34
electrical, friction	7364.0	73-33
electrical, semiconducting	7366.6	73-34
electrical, shielding	7362.2	73-34
electrical, vinyl, heavy duty	7366.0	73-33
electrical, vinyl, low temp	7366.5	73-33
embossing	none	76-17
embossing, stainless steel, and hand tool	7658.5	76-17
fire and electric arc proofing	7365.20	73-33
first aid	none	11-1
	none	11-2
friction, electrical	7364.0	73-33
glass, thermosetting	none	73-34
high voltage	none	73-34
high voltage, insulating	7365.3	73-34
insulating	6910.40	56-84
insulating and waterproofing	7364.70	73-33
labeling machine	none	76-17
linerless, high voltage ozone resistant, insulating	7365.3	73-34
marking, caution: buried electric line	none	70-51
marking, pump discharge	none	70-51
marking, vinyl, pressure sensitive	7367.5	73-33
masking, pressure sensitive	7367.1	72-18
mastic, insulating	7364.70	73-33
measuring and blade	none	76-32
non-skid, for use of vault ladders	none	72-18
pipe thread sealant	none	75-3
pipe wrap, plastic	7367.3	73-33
pole protection	5092.00	50-30
polyester, high voltage	none	73-34
protector, for cable labeling	none	76-17
pull, cable pulling	none	73-78
pump discharge marking	none	70-51
putty, insulating	none	73-33
reflective strips, hard hat marking	none	11-78

***tape**, continued*	matl std	stk cat
sealing, insulating, Aqua seal	7364.70	73-33
self amalgamating	6910.40	56-84
semiconducting, electrical	7366.6	73-34
shielding, electrical	7362.2	73-34
silicone	none	73-34
silicone, insulating	6910.40	56-84
silicone, pole wrapping	5092.00	50-30
stainless steel, embossing	7658.5	76-17
Teflon, pipe thread sealant	none	75-3
trench marking, detectable foil	none	70-40
	none	70-51
vinyl, heavy duty, electrical	7366.0	73-33
vinyl, low temp, electrical	7366.5	73-33
wallboard joint tape	none	72-9
warning	none	76-10
waterproofing	7364.70	73-33
wildlife protection	6910.40	56-84
***terminal**, see connector*		
block, 600 volt	2903.1	20-9
block, DIN modular system	2903.20	20-11
compression, Cu	6770.7	65-18
connector, compression	6771.30	65-27
	6771.30	65-28
	6771.20	65-29
connector, submersible insulated bus	6786.00	65-11
connector, bolted pressure, Al	6688.5	65-10
connector, compression, Al	6774.8	65-10
connector, compression, secondary, Al	6774.9	65-10
disconnect, insulated	6771.30	65-28
fork, insulated	6771.30	65-27
lugs, connector	none	65-6
lugs, connector, universal and tube type	6677.1	65-21
ring, insulated	6771.30	65-28
ring, non-insulated	6771.20	65-29
spade, insulated	6771.30	65-27
***termination/terminator**, see splice*		
adapter plate, 3/C, 34.5 kV pothead	6862.4	70-49
adapter plate, to replace 3/C, 27 kV	6862.3	70-49
adapter ring gasket	6862.01	70-47
	6862.5	70-47
	6862.6	70-47
adapter ring gasket, 90 degree apparatus	6862.8	70-47
adapter ring, 90 degree	6862.8	70-47
	6862.9	70-47
adapter ring, 90 degree, clamping	6862.5	70-47
adapter ring, bolt-in, welded bushing	6862.01	70-47
	6862.10	70-47
	6862.6	70-47
adapter ring, clamping	6862.8	70-47
	6862.9	70-47
adapter ring, welded to transformer	6862.5	70-47
bracket	6862.0	70-45
G&W, 1Φ, 1/C, 27-kV replacement	6862.01	70-47

	matl std	stk cat
G&W, 1Φ, PATR 1802 replacement	6862.6	70-47
gasket for adapter plate		70-49
	6862.2	70-49
high voltage cable	6865.10	70-47
weld-in adapter ring and gasket	6862.5	70-47
testing		
method for contaminated insulator performance test for 26 kV	6840.3	none
tie		
Alumoweld	none	56-2
double arm	none	56-2
insulator, Alumoweld	none	56-2
neutral wire	none	56-2
steel pole	none	56-2
straps, adjustable, plastic	7358.1	73-40
tissue, lens cleaning	none	11-44
toilet		
paper		77-8
seat		71-10
tool		
drills, twist, fractional sizes	7615.1	76-27
drills, twist, wire gage sizes	7616.1	76-27
hacksaw blades, hand, high speed	7604.6	76-38
hammers, hand, fiberglass handle	7638.1	76-23
handle, hickory, striking tool	7638.2	76-42
hook	none	56-5
traffic		
control		76-11
marking paint	none	72-20
traffic safety		
		76-10
cones	7611.10	76-11
reflective triangle	none	76-11
vest, light-weight	4015.15	11-78
vest, standard-weight	4015.10	11-78
transformer		
autotransformer, 100 VA, 277/125v	6877.3	30-9
autotransformer, dry type, general purpose	4470.00	57-23
brackets, transformer and rack extension	5805.1	69-68
cluster mount bracket, two-transformer	5632.91	56-6
cluster mount bracket, three-transformer	5632.90	56-6
distribution, 1Φ, overhead-type, Y	4150.00	30-12
distribution, 1Φ, padmount	4220.00	30-20
distribution, 1Φ, subsurface, 4kV	0046.1	30-6
distribution, 1Φ, submersible	4320.00	30-20
distribution, 3Φ, padmount type	0026.2	30-10
general purpose, autotransformer		57-23
grounding connector	6762.1	65-23
installation with fault limiter, 27 kV	6840.2	68-9
metering	none	40-1
network monitoring	6877.3	30-9
network protector, *see network protector*		70-39

	matl std	stk cat
network, S-Type, 3Φ 13 kV and 26 kV	4370.00	30-36
overhead	4150.00	
overhead, 1Φ, no letter type, replacement only	none	30-16
overhead, 1Φ, YL type	none	30-14
overhead, 1Φ, Y type	4370.00	30-12
padmount, 1Φ, 25-167 kVA	4220.00	30-20
padmount, 3Φ, 75-300 kVA	none	30-7
padmount, Replacement only	4240.00	30-20
padmount, 3Φ, 750-2500 kVA	4240.00	30-20
padmount, generation facilities	none	30-7
power		30-4
	0035.7	30-4
	0035.5	30-4
protector, *see network protector*		70-39
S Type, see submersible 1Φ		
ST Type, see Network 3Φ		
salvage	none	30-4
specialty, dry type, 1Φ	none	30-9
specialty, dry type, indoor, padmount, 3Φ	0039.5	none
specialty, dry type, network monitoring, 1Φ	6877.3	30-9
specialty, dry type, outdoor, auto, 1Φ	none	30-9
	4470.00	57-23
specialty, dry type, outdoor, padmount and wall mount, 1Φ and 3Φ	4470.00	30-9
specialty, oil filled, pole mount, 1Φ	none	30-9
specialty, oil filled, submersible, 1Φ and 3Φ	0039.0	30-9
	none	30-9
station	none	30-4
submersible, 3Φ, CS	4350.00	30-32
submersible, 1Φ, CY	4320.00	30-30
underground/subsurface/ submersible	none	30-5
	none	30-6
	4320.00	30-30
	0026.2	30-10
	4350.00	30-32
valve, pressure relief	2940.1	30-1
vibration damper		72-18
trap, "P" trap	none	71-10
tubing, splice covers		
	none	73-36
	7374.65	73-36
	7374.70	73-36
	7374.75	73-36
	none	73-39
steel, EMT	7030.05	73-5

u

***utility pole**, see pole*

UV inhibitor plate	none	57-21

v

Valparaiso, conductor	6010.10	60-24
valve, transformer pressure relief	2940.1	30-1

	matl std	stk cat
acceptance criteria	7201.00	none
fluidized thermal backfill	7150.00	none
frame and cover - 42″ round cast iron	7204.7	70-27
handhole, 17″ x 28″ precast, secondary	7203.10	70-25
handhole, 2´ x 3´ x 3´ precast	7203.08	70-25
hatch assembly, sidewalk type, 4´6″ x 8´0″	7204.3	70-27
hooks, cable rack, steel	7206.2	70-40
pulling irons	none	70-28
racks, underground cable	7216.7	70-40
secondary handhole	7203.12	70-25
service connection	7216.7	70-40
vehicle inspection report	4019.85	11-95
vest		
traffic safety, light-weight	4015.15	11-78
traffic safety, standard-weight	4015.10	11-78
Voluta, conductor	6007.50	60-20

W

Wake Forest, conductor	6010.10	60-24
warning		
flag	7624.10	76-10
flare	none	76-6
flare kit	none	76-11
marking tape, buried electric line	none	70-51
marking tape, pump discharge	none	70-51
reflective triangle	none	76-11
signs	several	76-8
	none	76-10
	none	76-11
staff, flag	7624.11	76-10
tag	7653.22	76-9
traffic safety cone	7611.10	76-11
washer		
flat, anchor, steel	none	78-24
Belleville spring	none	78-25
	7820.0	78-25
centering	5843.5	56-4
copper alloy, plain and lock	7880.2	78-23
curved, steel	5847.1	78-24
flat, Al	none	78-23
flat, brass	none	78-23
flat, Cu	7880.2	78-23
flat, steel	none	78-24
	5847.1	78-24
flat, stainless steel	7820.0	78-24
garden hose	none	76-43
helical spring lock, double coil	5842.50	78-25
split lock, helical spring, Al	none	78-23
split lock, helical spring, Cu	7880.2	78-23
split lock, helical spring, stainless steel	7820.0	78-25
split lock, helical spring, steel	none	78-25
split lock, helical spring, steel	5842.1	78-25
spring lock, galvanized carbon steel	5842.1	78-25

	matl std	stk cat
tooth lock, Cu	7880.2	78-23
tooth lock, steel	none	78-25
water, distilled		75-4
waterproofing tape	7364.70	73-33
wedge	none	65-3
hot line	none	65-8
tap	none	65-8
tool handle	none	76-42
welded grounding connection	6762.90	65-26
Wesleyan, conductor	6010.10	60-24
wheel chock	7609.30	76-6
wildlife protection	6910.10	56-80
bird guard	6910.10	56-80
bird guard gasket	6862.7	56-78
conductor covers	6910.30	56-80
cover	6910.10	56-80
hose, split	6910.30	56-82
raptor	6910.10	56-80
spikes, bird	6912.07	56-86
tape, silicone, insulating	6910.40	56-84
wire guard, plastic	5651.13	56-2
wire, also see cable		
5,000-volt polyethylene-insulated, Cu	6108.5	60-2
AAC, bare	6000.00	60-1
ACSR, bare	6000.20	60-1
aluminum covered steel	5664.1	56-11
bare, Al, tie wire	none	60-1
bare Cu, medium, hard-drawn	6104.5	60-28
bare Cu, soft-drawn	6103.90	60-28
bare Cu, soft, round	6102.20	60-28
bare Cu, solid, hard-drawn	6100.1	60-2
copper-clad steel, bare	6100.00	60-29
dispenser, guy wire	none	56-11
guy and shield	none	56-11
	5664.1	56-11
portable cord	6158.2	60-32
type THWN, thermoplastic PVC, Cu	6122.3	60-32
weather-resistant, polyethylene-type, Al	6005.1	60-1
weather-resistant, polyethylene-type, Cu	6114.50	60-2
wireholder, reinforced porcelain	6907.1	69-1
Wofford, conductor	6010.10	60-24
wood pole		
pressure-treated, Douglas-fir	5082.00	50-10
western red cedar, butt-treated	5072.00	50-10
wrap		
cable, polytetrafluorethylene	7353.6	73-39
tape, pipe, plastic	7367.3	73-33
wye connector		
compression, Cu	6775.10	65-18

x y z

"Y", see "wye" (connector)

stock number index

legend: E = exempt (free issue) C = canceled

stk no	C	E	cat pg	matl std
010078			11-10	none
010079			11-10	none
010092			57-13	none
010103			40-1	none
010105			40-1	none
010106			40-1	none
010128			60-5	6025.10
010129			65-18	6775.10
010135			70-61	6863.10
010136			70-61	6863.10
010137			70-63	6863.15
010162		E	78-21	7829.9
010311			80-1	8001.0
010312			80-2	8020.0
010313			80-2	none
010314			80-2	none
010316			68-11	none
010317			73-18	none
010319		E	70-44	none
010320			65-9	6772.00
010333			73-56	7020.05
010334			73-50	7015.05
010335		E	78-4	none
~~010336~~	C		73-13	
010337			73-50	7015.05
010338			73-78	7345.7
~~010339~~	C		73-13	
010340			73-53	7345.7
010341			73-52	7015.05
010342			73-52	7015.05
010343			73-52	7015.05
~~010345~~	C		75-2	
010346			57-12	none
010379			73-17	none
010382			60-32	6122.3
010389			76-17	none
010390			76-17	none
010395			57-2	5744.0
010396			57-2	5744.0
010397			57-12	5723.3
010398			57-12	5723.3
010399			57-12	5723.3
010402			73-37	7374.80
010408			56-4	5631.1
010411			73-17	none
010414			73-36	7374.70
010415			70-42	none
010416			73-19	none
010417			73-19	none
010418			73-19	none
010419			73-19	none
010420			73-19	none
010443			73-53	7015.05
010444			73-53	7015.05
010446		E	73-78	7346.8
010447			73-78	7346.8
010448		E	73-78	7346.8
010451			73-34	7366.6
~~010462~~	C		57-4	
~~010463~~	C		57-4	
010467			70-30	6808.12
010468		E	78-25	none
010469		E	78-25	none
010470		E	78-25	none
010684			76-8	none
010692			73-9	none
010698			75-4	none
010699			56-11	5653.4
010700			11-78	4015.10
010701			11-78	4015.10
011158			68-14	6836.2
~~011159~~	C		68-14	
011363			65-19	none
011676			40-1	none
011677			40-1	none
011678			40-1	none
011679			40-1	none
011680			40-1	none
011682		E	73-37	none
011683		E	73-37	none
011684		E	73-37	none
011685		E	73-37	none
011905			40-1	none
011907			40-1	none
011908			65-18	none
011909			70-21	6871.3
011910		E	78-18	7847.2
011911		E	78-18	7847.2
011912		E	78-18	7847.2
011958			50-10	5072.00
011959			56-6	5632.90
~~011960~~	C		30-3	
011961			70-41	none
011962			70-41	none
011963			70-41	none
011964			70-41	none
011965			70-41	none
011966			70-41	none
011967			57-12	5723.3
011968			57-1	none
011969			57-1	none
011970			57-1	none
011971			57-1	none
011972			57-4	none
011973			57-4	none
011974			57-6	none
011975			57-6	none
012084			80-2	5650.3
012085			73-70	7050.05
012086			73-70	7050.05
012087			73-70	7050.05
012088			73-8	none
012089			73-8	none
012090			73-8	none
012091			73-8	none
012092			73-9	7311.4
012093			73-18	none
012094			73-18	none
012095			73-18	none
012096			73-8	none
012097			73-8	none
012098			60-9	6020.06
012099			60-11	6020.07
012100			60-11	6020.07
012101			60-11	6020.07
012102			60-11	6020.07
012105			73-53	none
012106			73-53	none
012107			73-53	none
012108			73-53	none
012109			73-53	none
012110			73-53	none
012111			73-53	none
012112			73-53	none
012113			73-53	none
012114			73-53	none
012115			73-53	none
012116			73-53	none
012119			20-5	4501.50
~~012120~~	C		20-5	none
012121			20-5	4501.50
012122			70-39	none
012125			70-22	6865.10
012126			70-22	6865.10
012127			70-20	none
012128			70-92	6863.30
012131			70-17	6871.4
012132			70-17	6871.4
012133			70-17	none
012134			70-17	none
012164			57-11	none

legend: E = exempt (free issue) C = canceled

stk no	C	E	cat pg	matl std
012165			57-11	none
012167			70-39	none
~~012168~~	C		65-19	6693.80
012169		E	65-19	6693.80
012170		E	65-19	6693.80
012171		E	65-19	6693.80
012172			65-19	6693.80
012173		E	65-19	6693.80
012176		E	73-70	7050.05
012179			57-1	5739.10
012182		E	69-66	none
012183			60-36	none
012185			56-10	none
012244			76-1	none
012245			76-11	none
012246			76-11	none
012249			75-1	none
012255		E	78-14	none
012256		E	78-15	none
012257			80-2	none
012258			80-2	none
012262			65-10	none
012263			40-2	none
012265			11-42	4008.10
012266			11-42	4008.10
012267			11-88	7634.20
012268			11-88	7634.20
012269			11-86	7634.60
~~012270~~	C		76-4	
012271			70-26	none
012272			70-26	none
012273			70-26	none
012274			70-26	none
012276			68-11	none
012277			68-11	none
012278			68-11	none
012279			68-11	none
012280			68-11	none
012283		E	78-21	7829.9
012285			70-67	6863.17
012286			70-67	6863.17
012287			73-5	none
012288			73-5	none
012289			73-5	none
012290			73-5	none
012291			73-5	none
012292			73-5	none
012293			73-78	none
012294			57-12	5723.2
~~012295~~	C		-	-
~~012296~~	C		-	-
012330			70-44	6867.5

stk no	C	E	cat pg	matl std
012380			57-12	5723.3
012381			69-66	none
012382			69-26	6901.57
012383			69-32	6901.95
012384			65-3	none
012385			65-3	none
012386		E	78-2	7801.10
012387			73-78	7345.7
012388			73-78	7345.7
012389			73-78	7345.7
012390			77-4	none
012392			70-39	none
012396			40-1	none
012407			40-1	none
012413			40-1	none
012414			40-1	none
012418			57-12	5723.2
~~012426~~	C		70-38	none
012433			40-1	none
012434			40-1	none
012435			70-10	6864.15
012436			50-10	5082.00
012437			50-10	5082.00
012438			50-10	5082.00
012439			50-10	5082.00
012440			50-10	5082.00
012441			50-10	5082.00
012442			50-10	5082.00
012443			50-10	5082.00
012444			50-10	5082.00
012445			50-10	5082.00
012446			50-10	5082.00
012447			50-10	5082.00
012448			50-10	5082.00
012449			50-10	5082.00
012450			50-10	5082.00
012451			50-10	5082.00
012452			50-10	5082.00
012454			50-10	5082.00
012455			50-10	5082.00
012456			50-10	5082.00
012458			50-10	5082.00
012459			50-10	5082.00
012460			50-10	5082.00
012462			50-10	5082.00
012463			50-10	5082.00
012464			50-10	5082.00
012465			70-42	7206.09
012466			70-42	7206.12
012467			70-42	7206.12
012468			70-31	6880.00
012473			70-39	none

stk no	C	E	cat pg	matl std
012474			57-10	none
~~012475~~	C		57-10	
012476			73-36	7374.65
~~012477~~	C		76-49	
012479			73-37	7374.80
012480			73-78	none
012481			11-16	none
012486			70-94	6863.34
012493			11-42	4008.10
012494			11-42	4008.10
012495			70-39	none
012496			70-39	none
012497			70-39	none
012498			70-39	none
012499			70-39	none
012500			70-39	none
012501			70-41	none
012503			73-53	none
012504			56-4	5630.5
012509		E	56-1	5813.1
012510			76-9	none
012520			70-53	none
012521			70-53	none
012522			73-9	none
012523			73-9	none
012524			73-9	none
~~012556~~	C		20-4	4501.67
012564		E	65-23	none
012565		E	78-9	none
012567			70-43	none
012569			76-10	none
012570			76-10	none
012580			60-20	6007.5
012587			70-10	6864.15
012590			11-78	none
012591			65-1	none
012592			65-1	6591.8
012593			68-1	6801.60
012594			68-1	6801.60
012603			68-58	6857.05
012609			20-11	2903.20
012610			20-11	2903.20
012611			20-11	2903.20
012612			20-11	2903.20
012613			20-11	2903.20
012614			20-11	2903.20
012615			20-11	2903.20
~~012616~~	C		20-11	2903.20
012617			20-11	2903.20
012618			20-11	2903.20
012619			68-54	6855.65
012620			68-54	6855.65

legend: E = exempt (free issue) C = canceled

stk no	C	E	cat pg	matl std
~~012621~~	C		20-9	2903.30
~~012622~~	C		20-9	2903.30
~~012623~~	C		20-9	2903.30
~~012624~~	C		20-9	2903.30
~~012625~~	C		20-9	2903.30
~~012626~~	C		20-9	2903.30
012636		E	78-19	7807.1
012637		E	78-19	7807.1
012638		E	78-19	7807.1
012639		E	78-19	7807.1
012640		E	78-19	7807.1
012641		E	78-19	7807.1
012642		E	78-19	7807.1
012643		E	78-19	7807.1
012647			20-9	2805.00
012649			20-9	2805.00
012651		E	78-25	5842.50
012652		E	78-21	7829.9
012658			20-6	4501.55
012660			70-55	7203.10
012662			70-20	none
012663			20-6	4501.55
012664			57-11	5724.00
012673			20-4	4501.65
~~012676~~	C		20-4	2501.65
~~012678~~	C		-	-
~~012680~~	C		60-28	6103.90
012685			68-16	6842.00
012687			70-20	none
012689			80-1	8021.00
012690			76-17	none
012691			76-17	none
012692			76-17	none
012695			20-4	4501.67
012697			20-6	4501.55
012698			20-6	4501.55
012702			60-29	6100.00
012703			20-4	4501.67
012704			20-4	4501.67
012705			20-4	4501.65
012706			20-4	4501.65
012707			20-4	4501.65
012708			20-4	4501.65
012709			20-4	4501.65
012710			20-4	4501.67
012711			20-4	4501.67
012715			20-11	2903.20
012716			20-11	2903.20
012729		E	65-11	6786.05
012735			60-5	6025.60
012743			57-20	5722.45
012744			57-20	5722.45
012745			57-20	5722.45
012748			20-4	4501.65
012753			70-56	7204.70
012771			57-10	none
012772			50-45	none
012773			50-2	none
012774			68-2	none
012775			56-5	none
012776			57-22	5685.00
012781			69-32	6901.97
012782			69-24	6902.37
012788			70-51	none
012790			70-53	none
012796			11-86	7634.60
012797			11-88	7634.20
012799			60-16	6050.10
012801			60-16	6050.25
012808			73-60	7025.05
012809			73-62	7025.05
012814			73-62	7025.05
012815			73-62	7025.05
012816			73-62	7025.05
012817			73-62	7025.05
012818			73-62	7025.05
012819			73-60	7025.05
012820			73-60	7025.05
012821			73-60	7025.05
012830			69-26	6901.55
012831			76-3	none
012832			76-3	none
012833			76-3	none
012834			76-3	none
012836			76-3	none
012846			20-4	4501.65
012847			73-62	7025.05
012848			73-62	7025.05
012849			73-62	7025.05
012850			73-62	7025.05
012856			70-66	6863.16
012857			73-74	none
012862			50-30	5092.00
012863			50-30	5092.00
012864			50-30	5092.00
012865			50-30	5092.00
012868			11-16	none
012873		E	none	none
012874		E	none	none
~~012880~~	C		20-4	4501.67
012885			20-4	4501.67
012904			50-10	5082.00
012908			50-10	5082.00
012924			11-86	7634.62
012925			11-86	7634.62
012926			11-86	7634.62
012927			11-86	7634.62
012928			11-86	7634.62
012929			11-86	7634.62
012930			11-86	7634.62
012931			11-86	7634.62
012932			11-86	7634.62
012940			50-30	5092.00
012944			78-26	none
012945			70-55	7203.10
012946			11-12	none
012950			11-42	4008.10
012951			11-42	4008.10
012952			11-42	4008.10
012953			11-42	4008.10
012954			11-42	4008.10
012955			11-42	4008.10
012958			60-16	6050.30
012959			65-18	none
012960		E	78-2	7801.10
~~012962~~	C		11-3	4015.15
012963			11-78	4015.15
012964			11-78	4015.15
012965			11-78	4015.15
012966			11-78	4015.15
012967			11-78	4015.15
012968			11-78	4015.15
012978			70-55	7203.10
012979			70-55	7203.10
012980		E	56-13	5820.50
012994			68-58	6857.15
012995			68-58	6857.15
012997			76-16	7650.07
013002			11-2	none
013005			72-21	7240.80
013006			70-38	6850.00
013007			76-7	7644.20
013008			76-7	7644.20
013009			76-7	7644.20
013010			76-7	7644.20
013014			57-20	5722.45
013015			57-20	5722.45
013016			57-20	5722.45
013017			57-20	5722.45
013018		E	75-14	none
013038			56-80	6910.10
013039			56-80	6910.10
013040			56-80	6910.10
013041			56-80	6910.10
013042			56-80	6910.10

legend: E = exempt (free issue) C = canceled

stk no	C	E	cat pg	matl std
013043			56-80	6910.10
013044			56-82	6910.30
013045			56-82	6910.30
013046			56-82	6910.30
013047			56-82	6910.30
013048			56-84	6910.40
013049			56-86	6912.07
013055			70-16	6873.11
013056			70-16	6873.11
013057			70-16	6873.11
013060			56-14	5825.90
013062			76-16	7650.13
013063			76-16	7650.13
013064			76-16	7650.13
013065			76-16	7650.13
013066			76-16	7650.13
013067			76-16	7650.13
013068			76-16	7650.13
013069			76-16	7650.13
013070			76-16	7650.13
013071			76-16	7650.13
013072			76-16	7650.13
013073			76-16	7650.13
013074			76-16	7650.07
013075			70-65	6863.16
013076			70-65	6863.16
013078			57-14	5723.51
013079			50-45	none
013087			70-39	none
013089			70-59	7203.41
013090			70-59	7203.41
013091			70-59	7203.41
013092			70-59	7203.41
013093			70-58	7203.26
013094			70-58	7203.26
013095			70-58	7203.26
013096			70-58	7203.31
013097			70-58	7203.31
013098			70-58	7203.31
~~013128~~	C		76-11	-
013101			70-59	7203.36
013102			70-59	7203.36
013120			70-58	7203.26
013121			70-58	7203.26
013122			70-58	7203.31
013123			70-58	7203.31
013124			70-59	7203.36
013125			70-59	7203.41
013126			70-59	7203.41
013127			70-59	7203.41
013129			57-21	5693.10
~~013148~~	C		20-4	4501.61

stk no	C	E	cat pg	matl std
~~013149~~	C		20-4	4501.61
013150			77-8	none
013151			70-59	7203.41
013152			70-59	7203.41
013156			76-21	7659.21
013157			70-58	7203.26
013158			70-58	7203.26
013159			70-58	7203.31
013160			70-58	7203.31
013168			76-6	7659.03
013169			76-6	7659.03
013170			76-6	7659.03
013172			50-20	5214.14
013173			50-20	5214.14
013174			50-20	5214.14
013175			50-20	5214.14
013176			50-20	5214.14
013177			50-20	5214.14
013178			70-55	7203.10
013189			11-13	7634.17
013190			11-13	7634.17
013191			11-13	7634.17
013192			11-13	7634.17
013193			11-13	7634.17
013194			11-13	7634.17
013195			11-13	7634.17
013196			11-13	7634.17
013197			11-13	7634.17
013198			11-13	7634.17
013199			11-13	7634.17
013200			11-13	7634.17
013201			11-13	7634.17
013202			11-13	7634.17
013203			11-13	7634.17
013204			11-13	7634.17
013205			11-13	7634.17
013206			11-13	7634.17
013207		E	76-9	7653.22
013208		E	76-9	7653.22
013209			11-73	4013.25
013210			11-73	4013.25
013211			11-73	4013.25
013212			11-73	4013.25
013213			11-73	4013.25
013214			11-73	4013.25
013215			11-73	4013.25
013216			11-73	4013.25
013217			11-73	4013.25
013218			11-73	4013.25
013219			11-73	4013.25
013220			11-73	4013.25
013221			11-73	4013.25

stk no	C	E	cat pg	matl std
013222			11-73	4013.25
013222			11-73	4013.25
013222			11-73	4013.25
013223			11-73	4013.25
013224			11-73	4013.25
013225			11-73	4013.25
013226			11-73	4013.25
013227			11-73	4013.25
013228			11-73	4013.25
013229			11-73	4013.29
013230			11-73	4013.29
013231			11-73	4013.29
013232			11-73	4013.29
013233			11-73	4013.29
013234			11-73	4013.29
013235			11-73	4013.29
013236			11-70	4013.31
013237			11-46	4013.31
013238			11-48	4013.31
013239		E	76-9	7653.22
013240		E	76-9	7653.22
013241			20-8	7510.44
013244			20-4	4501.67
013247			20-4	4501.67
013248			20-4	4501.67
013249			20-4	4501.67
013250			20-6	4501.55
013258			11-86	7634.60
013259			11-86	7634.60
013260			11-88	7634.20
013261			11-88	7634.20
013270			73-74	none
013271			60-20	6007.50
013272			20-6	4501.55
013279			20-5	4501.50
013280			20-5	4501.50
013282			56-13	5642.10
013283			65-24	5640.32
013294			73-78	7645.40
013295			73-78	7645.40
013296			73-78	7645.40
013297			73-78	7645.40
013298			73-78	7645.40
013299			73-78	7645.40
013300			73-78	7645.40
013301			73-78	7645.40
013302			73-78	7645.40
013303			73-78	7645.40
013304			73-78	7645.40
013306			60-8	6025.02
013307			69-26	6901.55
013308			69-26	6901.57

legend: E = exempt (free issue) C = canceled

stk no	C	E	cat pg	matl std
013314			73-60	7025.05
013335			none	6762.90
013336			none	6762.90
013338			none	6762.90
013339			none	6762.90
013343			11-95	4019.85
013345			20-4	4501.61
013346			20-4	4501.61
013347			20-4	4501.65
013348			20-4	4501.67
013350			20-4	4501.67
013354			57-14	5723.49
013355			57-14	5723.49
013356			57-14	5723.49
013361			11-86	7634.60
110001			11-44	none
110002			11-2	none
110003			11-44	none
110004			11-1	none
110009			11-2	none
110010			11-1	none
110011			11-2	none
110012			11-2	none
110013			11-2	none
110014			11-1	none
110016			11-1	none
110018			11-1	none
110020			11-30	none
110021			11-30	none
110022			11-30	7639.0
110023			11-1	none
110024			11-2	none
110025			11-10	none
110028			11-1	none
110029			11-1	none
110030			11-2	none
110031			11-44	none
110033			11-2	none
110034			11-2	none
110038			11-2	none
110040			11-2	none
110055			11-44	none
110060			11-16	none
110061			11-2	none
110066			11-2	none
110067			11-1	none
110070			11-1	none
110071			11-2	none
110072			11-42	4008.10
110076			11-37	none
110083			11-48	none

stk no	C	E	cat pg	matl std
110084			11-48	none
110087			11-48	none
110089			11-48	none
110091			11-48	none
110093			11-44	none
~~110094~~	C		11-7	
110095			11-1	none
110096			11-1	none
110106			11-12	none
110107			11-12	none
110108			11-12	none
~~110110~~	C		11-46	none
110111			11-46	none
110112			11-30	7639.0
110121			11-1	none
110123			11-1	none
110124			11-1	none
110125			11-1	none
110131			11-48	none
110134			11-12	7634.3
110135			11-12	7634.3
110136			11-30	none
110137			11-30	none
110141			11-10	none
110145			11-1	none
110155			11-37	none
110156			11-37	none
110157			11-37	none
110158			11-37	none
110159			11-37	none
110160			11-16	none
110161			11-16	none
110170			11-1	none
110180			11-30	none
110182			11-30	none
110183			11-30	none
110186			11-1	none
110190			11-30	none
110200			11-1	none
110201			11-2	none
110210			11-44	none
110221			11-48	none
110223			11-78	4015.10
110224			11-78	4015.10
110225			11-78	4015.10
110226			11-78	4015.10
110227			11-78	4015.10
110230			11-42	4008.10
~~110232~~	C		11-7	none
~~110234~~	C		11-7	none
~~110236~~	C		11-7	none
110238			11-44	none

stk no	C	E	cat pg	matl std
110239			11-44	none
~~110247~~	C		11-7	
~~110248~~	C		11-7	
110250			11-12	none
110252			11-12	none
110254			11-12	none
110256			11-12	none
110260			11-12	none
110261			11-12	none
110262			11-12	none
110263			11-12	none
110264			11-12	none
~~110280~~	C		11-7	none
110283			11-42	4008.10
110284			11-42	4008.10
110285			11-42	4008.10
~~110286~~	C		11-7	none
110287			11-42	4008.10
~~110292~~	C		11-7	none
~~110296~~	C		11-7	none
~~110300~~	C		11-7	none
110301			11-42	4008.10
~~110302~~	C		11-7	none
110303			11-10	none
110304			11-10	none
110305			11-10	none
110310			11-10	none
110313			11-10	none
110315			11-12	none
110316			11-12	none
110317			11-12	none
110323			11-10	none
110330			11-10	none
110331			11-10	none
110332			11-10	none
110348			11-73	none
110350			11-73	none
110352			11-73	none
110354			11-73	none
110360			11-73	none
110362			11-73	none
110364			11-73	none
110366			11-73	none
110367			11-73	none
110369			11-73	none
110370			11-92	none
110380			11-92	none
110400			11-70	none
110450			11-10	none
110451			11-10	none
110452			11-10	none
110460			11-10	none

legend: E = exempt (free issue) C = canceled

stk no	C	E	cat pg	matl std
110461			11-10	none
110462			11-10	none
110464			11-10	none
~~110500~~	C		11-3	
~~110501~~	C		11-3	
~~110502~~	C		11-3	
~~110503~~	C		11-3	
~~110504~~	C		11-3	
~~118200~~	C		11-5	
118202			11-37	none
210004			20-3	none
210111			20-3	2501.45
210115			20-3	2501.45
250030			20-7	none
250031			20-7	none
250045			20-5	none
250050			20-3	none
250051			20-3	none
250052			20-3	none
250053			20-3	none
250054			20-3	none
250060			20-3	2500.6
250061			20-3	2500.6
250062			20-3	2500.6
250100			20-5	none
250130			20-5	2501.1
~~250131~~	C		20-5	2501.3
~~250132~~	C		20-5	2501.3
~~250135~~	C		20-5	2501.3
~~250137~~	C		20-5	2501.3
~~250139~~	C		20-5	2501.3
250150			20-5	4501.50
250151			20-5	4501.50
250152			20-5	4501.50
250153			20-5	4501.50
250163			68-16	2501.9
250190			20-1	2501.9
250191			20-1	2501.9
250192			20-1	2501.9
250195			20-1	2501.9
254600			20-7	none
254601			20-7	none
254602			20-7	none
254851			20-7	none
254911			20-7	none
254912			20-7	none
254917			20-7	none
254918			20-7	none

stk no	C	E	cat pg	matl std
254938			20-7	none
254939			20-7	none
254940			20-7	none
254941			20-7	none
254969			20-7	2549.8
254970			20-7	2549.8
254971			20-7	none
254973			20-7	none
254976			20-7	none
254978			20-7	2549.8
254979			20-7	none
254980			20-7	none
254984			20-7	none
254987			20-7	none
259100			68-16	none
259413			68-16	none
259423			68-16	none
259426			68-16	none
~~259443~~	C		68-16	
259500			68-16	none
259846			68-16	none
290308			20-9	2903.1
290309			20-9	none
290310			20-9	2903.1
290311			20-9	none
290497			20-9	none
294001			30-1	2940.1
311048			30-1	none
313871			30-1	3138.7
314771			30-1	none
331001			30-3	none
332203			30-3	none
332204			30-3	none
332205			30-3	none
332206			30-3	none
332207			30-3	none
332208			30-3	none
332209			30-3	none
332403			30-3	none
332503			30-3	none
334201			30-3	none
334202			30-3	none
334203			30-3	none
334205			30-3	none
334207			30-3	none

stk no	C	E	cat pg	matl std
334208			30-3	none
334209			30-3	3322.5
334210			30-3	none
334301			30-3	none
334302			30-3	none
334303			30-3	none
334308			30-3	none
334310			30-3	none
334403			30-3	none
335205			30-3	3322.5
335207			30-3	3322.5
335605			30-3	3322.5
335607			30-3	3322.5
336205			30-3	3322.0
336207			30-3	3322.0
~~344160~~	C		30-4	
~~344166~~	C		30-4	
344172			30-4	none
344260			30-4	none
344266			30-4	none
344272			30-4	none
344276			30-4	none
~~344278~~	C		30-4	
~~344280~~	C		30-4	
344476			30-4	none
~~344478~~	C		30-4	
344480			30-4	none
344482			30-4	none
~~344484~~	C		30-4	
344488			30-4	none
344490			30-4	none
344492			30-4	none
344572			30-4	none
344580			30-4	none
344592			30-4	none
~~345160~~	C		30-4	
345166			30-4	none
~~345172~~	C		30-4	
~~345260~~	C		30-4	
345266			30-4	none
345272			30-4	none
345276			30-4	none
345278			30-4	none
345280			30-4	none
345472			30-4	none
345476			30-4	none
345480			30-4	none
345488			30-4	0035.5

legend: E = exempt (free issue) C = canceled

stk no	C	E	cat pg	matl std
345492			30-4	0035.5
345494			30-4	0035.5
~~345576~~	C		30-4	
~~345580~~	C		30-4	
~~345586~~	C		30-4	
345588			30-4	0035.5
345592			30-4	0035.5
345594			30-4	0035.5
345595			30-4	none
345596			30-4	none
345597			30-4	none
346000			30-4	none
347000			30-4	none
348000			30-4	none
349000			30-4	none
351116			30-16	none
351118			30-16	none
351122			30-16	none
351126			30-16	none
351132			30-16	none
351134			30-16	none
351136			30-16	none
351142			30-16	none
351318			30-16	none
351322			30-16	none
351332			30-16	none
351334			30-16	none
351336			30-16	none
351342			30-16	none
~~351718~~	C		30-5	
351722			30-16	none
351732			30-16	none
351734			30-16	none
351736			30-16	none
351742			30-16	none
351818			30-16	none
351822			30-16	none
351826			30-16	none
351832			30-16	none
351834			30-16	none
351836			30-16	none
351842			30-16	none
352134			30-5	none
352136			30-5	none
352142			30-5	none
352834			30-5	none
352836			30-5	none
352842			30-5	none
353838			30-5	none
353840			30-5	none
353846			30-5	none
355022			30-12	4150.00
355032			30-12	4150.00
355034			30-12	4150.00
355036			30-12	4150.00
355042			30-12	4150.00
355118			30-12	4150.00
355122			30-12	4150.00
355126			30-12	4150.00
355132			30-12	4150.00
355134			30-12	4150.00
355136			30-12	4150.00
355142			30-12	4150.00
355232			30-12	4150.00
355236			30-12	4150.00
355322			30-12	4150.00
355332			30-12	4150.00
355334			30-12	4150.00
355336			30-12	4150.00
355342			30-12	4150.00
355422			30-12	4150.00
355432			30-12	4150.00
355434			30-5	4150.00
355436			30-12	4150.00
355442			30-12	4150.00
355622			30-12	4150.00
355632			30-12	4150.00
355634			30-12	4150.00
355636			30-12	4150.00
355642			30-12	4150.00
355734			30-12	4150.00
355736			30-12	4150.00
355742			30-12	4150.00
355818			30-12	4150.00
355822			30-12	4150.00
355826			30-12	4150.00
355832			30-12	4150.00
355834			30-12	4150.00
355836			30-12	4150.00
355842			30-12	4150.00
355922			30-12	4150.00
355932			30-12	4150.00
355934			30-12	4150.00
355936			30-12	4150.00
355942			30-12	4150.00
355948			30-12	4150.00
~~356022~~	C		30-5	
~~356032~~	C		30-5	
~~356034~~	C		30-5	
~~356036~~	C		30-5	
~~356042~~	C		30-5	
356118			30-14	none
356122			30-14	none
356126			30-14	none
356132			30-14	none
356134			30-14	none
356136			30-14	none
356142			30-14	none
356322			30-14	none
356332			30-14	none
356334			30-14	none
356336			30-14	none
356342			30-14	none
~~356422~~	C		30-5	
~~356432~~	C		30-5	
~~356434~~	C		30-5	
~~356436~~	C		30-5	
356442			30-14	none
356622			30-14	none
356632			30-14	none
356634			30-14	none
356636			30-14	none
356642			30-14	none
~~356818~~	C		30-5	
356822			30-14	none
356826			30-14	none
356832			30-14	none
356834			30-14	none
356836			30-14	none
356842			30-14	none
356922			30-14	none
356932			30-14	none
356934			30-14	none
356936			30-14	none
356942			30-14	none
~~356948~~	C		30-5	
359942			30-5	4150.00
359948			30-5	4150.00
361122			30-6	none
361132			30-6	none
361134			30-6	none
361136			30-6	none
361222			30-6	none
361232			30-6	none
361234			30-6	none
361236			30-6	none

legend: E = exempt (free issue) C = canceled

stk no	C	E	cat pg	matl std
361242			30-6	none
361832			30-6	none
~~362022~~	C		30-6	
~~362032~~	C		30-6	
~~362034~~	C		30-6	
~~362036~~	C		30-6	
~~362042~~	C		30-6	
362122			30-30	4320.00
362132			30-30	4320.00
362134			30-30	4320.00
362136			30-30	4320.00
362142			30-30	4320.00
362222			30-30	4320.00
362232			30-30	4320.00
362234			30-30	4320.00
362236			30-30	4320.00
~~362242~~	C		30-6	
362322			30-30	4320.00
362332			30-30	4320.00
362334			30-30	4320.00
362336			30-30	4320.00
362342			30-30	4320.00
362422			30-30	4320.00
362432			30-30	4320.00
362434			30-30	4320.00
362436			30-30	4320.00
362442			30-30	4320.00
~~362522~~	C		30-6	
~~362532~~	C		30-6	
~~362534~~	C		30-6	
~~362536~~	C		30-6	
~~362542~~	C		30-6	
362622			30-30	4320.00
362632			30-30	4320.00
362634			30-30	4320.00
362636			30-30	4320.00
362642			30-30	4320.00
~~362722~~	C		30-6	
362732			30-30	4320.00
362734			30-30	4320.00
362736			30-30	4320.00
362742			30-30	4320.00
362822			30-30	4320.00
362832			30-30	4320.00
362834			30-30	4320.00
362836			30-30	4320.00
362842			30-30	4320.00
362922			30-30	4320.00
362932			30-30	4320.00
362934			30-30	4320.00
362936			30-30	4320.00

stk no	C	E	cat pg	matl std
362942			30-30	4320.00
363122			30-6	none
363132			30-6	none
363134			30-6	none
363136			30-6	none
363142			30-6	none
363222			30-6	none
363232			30-6	none
363234			30-6	none
363236			30-6	none
363242			30-6	none
363622			30-6	none
363632			30-6	none
363634			30-6	none
363636			30-6	none
363642			30-6	none
363722			30-6	none
363732			30-6	none
363734			30-6	none
363736			30-6	none
363742			30-6	none
364466			30-32	4350.00
364472			30-32	4350.00
364476			30-32	4350.00
364478			30-32	4350.00
364480			30-32	4350.00
364866			30-32	4350.00
364872			30-32	4350.00
364966			30-32	4350.00
364972			30-32	4350.00
364976			30-32	4350.00
364978			30-32	4350.00
364980			30-32	4350.00
365466			30-32	4350.00
365472			30-32	4350.00
365476			30-32	4350.00
365478			30-32	4350.00
365866			30-32	4350.00
365872			30-32	0036.4
366136			30-10	0026.2
366836			30-10	0026.2
371122			30-7	none
371126			30-7	none
371132			30-7	none
371134			30-7	none
371136			30-7	none
371142			30-7	none

stk no	C	E	cat pg	matl std
372534			30-7	none
372538			30-7	none
372540			30-7	none
372550			30-7	none
372838			30-7	none
372840			30-7	none
372846			30-7	none
372850			30-7	none
372860			30-7	none
373122			30-20	4220.00
373132			30-20	4220.00
373134			30-20	4220.00
373136			30-20	4220.00
373142			30-20	4220.00
374434			30-20	4240.00
374440			30-20	4240.00
374446			30-20	4240.00
374450			30-20	4240.00
374460			30-20	4240.00
374466			30-20	4240.00
374472			30-7	0028.5
374476			30-7	0028.5
374478			30-7	0028.5
374480			30-7	0028.5
374840			30-20	4240.00
374846			30-20	4240.00
374850			30-20	4240.00
374860			30-20	4240.00
374866			30-20	4240.00
374872			30-20	4240.00
374950			30-7	none
375132			30-7	none
375134			30-7	none
375140			30-7	none
375218			30-7	none
375232			30-7	none
375234			30-7	none
375236			30-7	none
375334			30-7	none
375430			30-7	none
375434			30-7	none
375438			30-7	none
375440			30-7	none
375446			30-7	none
375450			30-7	none
375460			30-7	none
375580			30-7	none

legend: E = exempt (free issue) C = canceled

stk no	C	E	cat pg	matl std
375634			30-7	none
375734			30-7	none
375760			30-7	none
375834			30-7	none
375846			30-7	none
375850			30-7	none
380095			30-38	none
380160			30-36	4370.00
380166			30-36	4370.00
380172			30-36	4370.00
380176			30-36	4370.00
380178			30-36	4370.00
380180			30-36	4370.00
380260			30-38	none
380266			30-38	none
380272			30-38	none
380460			30-38	none
380466			30-38	none
380472			30-38	none
380560			30-36	4370.00
380566			30-36	4370.00
380572			30-36	4370.00
380860			30-36	4370.00
380866			30-36	4370.00
380872			30-36	4370.00
380876			30-36	4370.00
380878			30-36	4370.00
380880			30-36	4370.00
~~384860~~	C		30-8	none
~~385136~~	C		30-8	none
~~386260~~	C		30-8	none
~~386366~~	C		30-8	none
386372			30-38	none
386460			30-38	none
386466			30-38	none
~~386472~~	C		30-8	
386860			30-38	none
386866			30-38	none
386872			30-38	none
386876			30-38	none
386878			30-38	none
386880			30-38	none
386972			30-38	none
386976			30-38	none
386980			30-38	none
387360			30-38	none
388466			30-38	none
389160			30-38	none
389166			30-38	none
389172			30-38	none
389176			30-38	none
389178			30-38	none
389180			30-38	none
389460			30-38	none
389466			30-38	none
~~389472~~	C		30-8	
389560			30-38	none
389566			30-38	none
389572			30-38	none
389860			30-38	none
389866			30-38	none
389872			30-38	none
389876			30-38	none
389878			30-38	none
389880			30-38	none
389960			30-38	none
389966			30-38	none
389972			30-38	none
390001			30-9	0039.0
390002			30-9	0039.0
~~390003~~	C		30-9	
390004			30-9	0039.0
390005			30-9	0039.0
390010			30-9	none
390015			30-9	none
390024			30-9	none
390032			30-9	none
390036			30-9	none
390040			30-9	none
390041			30-9	0039.3
390042			30-9	0039.3
390043			30-9	0039.3
390044			30-9	0039.3
390045			30-9	0039.3
390047			30-9	none
390048			30-9	0039.0
390049			30-9	0039.0
390050			30-9	0039.0
390051			30-9	0039.0
390055			30-9	0039.0
390289			30-9	0039.3
390290			30-9	0039.3
390291			30-9	0039.3
390292			30-9	0039.3
390520			30-9	none
390521			30-9	none
390565			30-9	none
390567			30-9	none
390571			30-9	none
390836			30-9	none
390838			30-9	none
390840			30-9	none
390846			30-9	none
391124			30-9	0039.0
391130			30-9	0039.0
391134			30-9	0039.0
391138			30-9	0039.0
391140			30-9	0039.0
391146			30-9	0039.0
391270			30-9	none
391271			30-9	none
391281			30-9	none
391282			30-9	none
391283			30-9	none
391285			30-9	4470.00
391286			57-23	4470.00
391287			30-9	0039.3
391288			30-9	none
391289			30-9	0039.3
391290			30-9	0039.3
391291			30-9	0039.3
391292			30-9	0039.3
391295			30-9	0039.3
391339			30-9	none
391430			30-9	0039.3
391530			30-9	none
391534			30-9	none
400005			40-1	none
~~400025~~	C		40-1	
~~400028~~	C		40-1	
400035			40-1	none
~~400041~~	C		40-1	
~~400064~~	C		40-1	
~~400070~~	C		40-1	
~~400083~~	C		40-1	
~~400084~~	C		40-1	
~~400096~~	C		40-1	
~~400097~~	C		40-1	
~~400104~~	C		40-1	
400132			40-1	none
~~400133~~	C		40-1	
~~400134~~	C		40-1	
~~400143~~	C		40-1	
~~400144~~	C		40-1	
~~400150~~	C		40-1	
400161			40-1	none

legend: E = exempt (free issue) C = canceled

stk no	C	E	cat pg	matl std
~~400163~~	C		40-1	none
400195			40-2	none
400204		E	40-2	none
400209			40-2	none
400210			40-2	none
400214			40-2	none
400221			40-2	none
400222			40-2	none
400223			40-2	none
400224			40-2	none
400225			40-2	none
400226			40-2	none
400227			40-2	none
400301			40-2	none
400302			40-2	none
400303			40-2	none
400304			40-2	none
400305			40-2	none
400310			40-2	none
400316			40-2	none
400372		E	40-2	none
400373			40-2	none
~~400605~~	C		40-1	
~~400608~~	C		40-1	
400620			40-1	none
400621			40-1	none
400622			40-1	none
400623			40-1	none
~~400624~~	C		40-1	
400630			40-1	none
454331			40-2	none
454332			40-2	none
501030			50-10	5072.00
501035			50-10	5072.00
501040			50-10	5072.00
~~501045~~	C		50-1	
~~501047~~	C		50-1	
501050			50-10	5072.00
501055			50-10	5072.00
501060			50-10	5072.00
~~501065~~	C		50-1	
~~501070~~	C		50-1	
~~501075~~	C		50-1	
~~501080~~	C		50-1	
~~501085~~	C		50-1	
~~501090~~	C		50-1	
~~501095~~	C		50-1	
~~501100~~	C		50-1	
~~501105~~	C		50-1	
~~501110~~	C		50-1	

stk no	C	E	cat pg	matl std
502030			50-10	5072.00
502035			50-10	5072.00
~~502045~~	C		50-1	
~~502047~~	C		50-1	
502050			50-10	5072.00
502055			50-10	5072.00
502060			50-10	5072.00
~~502075~~	C		50-1	
503030			50-10	5072.00
503035			50-10	5072.00
503040			50-10	5072.00
~~503047~~	C		50-1	
503050			50-10	5072.00
~~503055~~	C		50-1	
~~503060~~	C		50-1	
~~503065~~	C		50-1	
~~503070~~	C		50-1	
~~504020~~	C		50-1	
~~504025~~	C		50-1	
504030			50-10	5072.00
504035			50-10	5072.00
~~504040~~	C		50-1	
~~504045~~	C		50-1	
~~504047~~	C		50-1	
~~504050~~	C		50-1	
506010			50-20	none
506014			50-20	none
506016			50-20	none
506018			50-20	none
~~531040~~	C		50-1	
~~531045~~	C		50-1	
~~531047~~	C		50-1	
~~531050~~	C		50-1	
~~531055~~	C		50-1	
~~531060~~	C		50-1	
531065			50-10	5082.00
531070			50-10	5082.00
531075			50-10	5082.00
531080			50-10	5082.00
531085			50-10	5082.00
531090			50-10	5082.00
531095			50-10	5082.00
531100			50-10	5082.00
531105			50-10	5082.00
531110			50-10	5082.00
~~532030~~	C		50-1	

stk no	C	E	cat pg	matl std
~~532035~~	C		50-1	
~~532045~~	C		50-1	
~~532047~~	C		50-1	
~~532050~~	C		50-1	
~~532060~~	C		50-1	
532065			50-10	5082.00
532070			50-10	5082.00
532075			50-10	5082.00
532080			50-10	5082.00
532085			50-10	5082.00
532090			50-10	5082.00
532095			50-10	5082.00
532100			50-10	5082.00
532105			50-10	5082.00
~~533030~~	C		50-1	
~~533035~~	C		50-1	
~~533040~~	C		50-1	
~~533045~~	C		50-1	
~~533047~~	C		50-1	
~~533050~~	C		50-1	
~~533055~~	C		50-1	
~~533060~~	C		50-1	
~~533065~~	C		50-1	
~~533070~~	C		50-1	
~~533085~~	C		50-1	
~~534030~~	C		50-1	
~~534035~~	C		50-1	
540014			50-20	5400.00
540016			50-20	5400.00
540018			50-20	5400.00
540022			50-20	5400.00
540146			50-20	5400.00
540205			50-20	5400.00
540209			50-20	5400.00
540220			50-20	5400.00
540221			50-20	5400.00
541365			50-20	5400.00
550150			50-20	none
560518		E	56-14	5605.1
560520		E	56-14	5605.1
560522		E	56-14	5605.1
560524		E	56-14	5605.1
560526		E	56-14	5605.1
560528		E	56-14	5605.1
560530		E	56-14	5605.1
560532		E	56-14	5605.1

legend: E = exempt (free issue) C = canceled

stk no	C	E	cat pg	matl std
561010			56-14	5610.1
561106			56-14	5610.1
561108			56-14	5610.1
561110			56-14	5610.1
561112		E	56-14	5610.1
561114			56-14	5610.1
561116			56-14	5610.1
561118			56-14	5610.1
561120			56-14	5610.1
561122			56-14	5610.1
561210			56-14	5610.1
561212			56-14	5610.1
561214			56-14	5610.1
562028			56-10	none
562030			56-10	none
562043			56-10	none
562050			56-9	5622.24
562058			56-9	5622.17
~~**562070**~~	C		56-10	
562090			56-10	none
562096			56-10	none
562102			56-10	none
562110			56-10	none
~~**562290**~~	C		56-10	
563005			56-4	5630.1
563010			56-4	5630.1
563013			56-4	5630.3
563015			56-4	5630.5
563019			56-4	5630.7
563055			56-8	none
563221			56-5	none
563222			56-5	5632.3
563223			56-5	5632.4
563224			56-5	5632.2
563225			56-5	5632.5
563226			56-5	5632.10
563227			56-5	5632.11
563228			56-5	5632.11
563253			69-68	5632.06
563291			56-6	5632.90
563294			56-6	5632.90
563295			56-6	5632.91
564012		E	65-24	5640.30
564022			65-23	none
564074			56-13	5642.1
564075			56-13	5642.1
564235			56-13	5642.1
564238		E	56-13	5642.1
564260			56-13	5642.1
564604			56-13	5642.1
564670			56-13	none
565005			56-5	none
565048		E	56-11	5650.3
565049		E	56-11	5650.3
565051			56-11	5650.3
565052			56-11	5650.3
565053			56-11	5650.3
565054			56-11	5650.3
565055			56-11	none
565105			56-11	5650.1
565122		E	56-11	5651.4
565124		E	56-11	5651.4
565126			56-11	5651.4
565132			56-1	none
565142			56-1	none
565143			56-1	none
565168		E	56-11	5651.8
565180			56-2	5651.13
565195		E	56-11	5651.15
565196			56-5	none
565198			56-11	5651.15
565199			56-11	5651.15
565252		E	56-14	5652.1
565254		E	56-14	5652.1
565258		E	56-14	5652.1
565260		E	56-14	5652.1
565266		E	56-14	5652.1
565274			56-10	none
565280			56-14	5652.5
565313		E	56-8	5653.1
565337			56-11	5653.4
565338			56-11	5653.4
~~**565525**~~	C		56-8	
~~**565526**~~	C		56-8	
566009			56-11	none
566012			56-11	none
566014			56-11	none
566406			56-11	5664.1
566407			56-11	5664.1
566408			56-11	5664.1
566409			56-11	5664.1
566410			56-11	5664.1
566425			56-11	5664.1
567105		E	56-4	5671.1
568025			57-6	none
568026			57-6	none
568027			57-6	none
568028			57-6	none
568029			57-6	none
568030			57-10	none
568031			57-10	5680.0
568032			57-10	none
568033			57-10	5680.0
568037			57-10	none
568039			57-10	none
568044			57-4	none
568046			57-21	5693.2
568055			57-23	none
568056			57-23	none
568058			57-23	none
~~**568090**~~	C		50-2	
~~**568098**~~	C		50-2	
568112			57-23	none
568114			57-23	none
568115			57-23	none
568116			57-23	none
568118			57-23	none
568161			57-8	none
568163			57-8	none
568166			57-8	5719.0
568168			57-8	5719.0
568174			57-8	none
568175			57-8	none
568201			57-15	none
568202			57-15	none
568205			57-15	none
568208			57-15	none
568209			57-15	none
568210			57-15	none
568212			57-15	none
~~**568214**~~	C		57-15	none
~~**568880**~~	C		50-2	
568900			50-45	none
568902			50-45	none
569220			57-21	none
569225			57-21	none
569300			57-21	none
569333			57-21	5693.00
569334			57-21	5693.00
569336			57-21	none
569337			57-21	none
569338			57-21	none
569518			57-2	none
569530			57-2	none
569531			57-2	none
570210			57-6	none

legend: E = exempt (free issue) C = canceled

stk no	C	E	cat pg	matl std
570501			57-4	5705.1
570502			57-4	5705.1
570503			57-4	5705.1
570507			57-4	5705.1
570512			57-4	5705.3
570525			57-4	5705.2
570526			57-4	5705.2
570527			57-4	5705.2
570528			57-4	5705.2
570545			57-10	none
570546			57-10	none
570548			57-4	none
570710			57-10	none
~~571660~~	C		57-6	none
571803		E	57-21	none
571804		E	57-21	none
571805		E	57-21	none
571806		E	78-9	none
571807		E	78-9	none
572201			57-19	5722.60
572205			57-19	5722.60
572220			57-19	5722.20
572225			57-19	5722.20
572230			57-19	5722.20
572232			57-19	5722.20
572233			57-19	5722.20
~~572240~~	C		57-2	
~~572244~~	C		57-19	5722.4
~~572245~~	C		57-19	
~~572246~~	C		57-19	5722.4
~~572247~~	C		57-19	
572248			57-19	5722.50
~~572249~~	C		57-19	5722.4
~~572250~~	C		57-19	
572255			57-19	5722.70
~~572260~~	C		57-19	
~~572261~~	C		57-19	
572270			57-19	5722.20
~~572290~~	C		57-19	5722.4
572351			57-13	none
572363			57-13	none
572374			57-12	none
572383			57-12	none
~~572385~~	C		57-13	
572387			57-8	none
572397			57-12	none
572404			57-12	none
572407			57-8	5723.1
572408			57-8	5723.1
572415			57-13	none

stk no	C	E	cat pg	matl std
572430			57-17	none
572432			57-17	none
572440			57-17	none
572451			57-10	none
572452			57-10	none
572454			57-10	none
572505			57-10	none
572530			57-8	none
572531			57-8	none
572533			57-8	none
572534			57-8	none
572536			57-8	none
572542			57-8	none
572546			57-8	none
572547			57-8	none
572555			57-15	none
572556			57-15	none
572557			57-15	none
572559			57-15	none
572571			57-15	none
572572			57-12	none
572574			57-15	none
572591			57-13	none
572593			57-15	none
572594			57-15	none
572595			57-15	none
572596			57-15	none
572598			57-15	none
572650			57-12	none
572652			57-23	none
572654			57-15	none
572656			57-23	none
572660			57-10	none
572755			57-13	none
572760			57-12	5723.2
572761			57-12	5723.2
572762			57-12	5723.2
572763			57-12	5723.2
~~572764~~	C		57-12	
572770			57-17	none
572800			57-8	5723.1
572801			57-8	5723.1
572900			57-11	none
572902			57-11	5721.0
573503			57-10	none
573600			57-2	none
573700			57-11	none
573703			57-11	none
573705			57-11	none
573720			57-11	none
573752			57-4	none

stk no	C	E	cat pg	matl std
573754			57-4	none
573756			57-4	none
~~573770~~	C		57-4	
573775			57-4	none
573777			57-4	none
573806			57-2	5745.0
573809			57-2	5745.0
573818			57-2	5743.0
573820			57-2	5743.0
573822			57-2	5743.0
~~573971~~	C		57-2	
573972			57-1	none
573973			57-2	5745.0
573977			57-1	none
573978			57-1	none
573979			57-1	none
573981			57-1	none
573984			57-1	5739.8
573985			57-1	5739.8
573986			57-1	5739.8
573987			57-1	none
573988			57-1	5739.10
573989			57-1	none
573991			57-1	none
573994			57-1	5739.10
573995			57-1	5739.10
573998			57-1	5739.10
574003			57-2	none
574004			57-2	none
574007			57-2	none
574010			57-2	none
574020			57-2	none
574030			57-2	none
574203			57-17	none
~~574204~~	C		57-17	
~~574205~~	C		57-17	
574300			57-17	none
574310			57-17	none
574312			57-17	none
574313			57-17	none
574320			57-17	none
574322			57-17	none
574330			57-17	none
574332			57-17	none
574505			57-6	none
~~580220~~	C		56-8	
~~580222~~	C		56-8	
580415			68-3	none
580505		E	69-68	5805.1
580510			69-68	5632.7

legend: E = exempt (free issue) C = canceled

stk no	C	E	cat pg	matl std
580515			69-68	none
580671			65-8	none
580672			65-8	none
580673			65-8	none
580676			65-8	none
580678			65-8	none
580725		E	65-8	5807.1
580727			65-8	5807.1
580735		E	70-19	none
~~580760~~	C		65-15	
~~580762~~	C		65-15	
~~580763~~	C		65-15	
580776			56-80	6910.10
581301		E	56-1	5813.4
581302		E	56-1	5813.4
581303		E	56-1	5813.4
581304		E	56-1	5813.4
581305		E	56-1	5813.4
581308		E	56-1	5813.1
581310		E	56-1	5813.1
581315		E	56-1	5813.1
581320		E	56-1	5813.1
581332		E	56-1	5813.2
581333			56-1	5813.2
581334			56-1	5813.2
581335			56-1	5813.2
581337			56-1	5813.2
581340		E	56-1	5813.30
581342		E	56-1	5813.30
581344		E	56-1	5813.30
581348			65-9	none
~~581741~~	C		70-7	
~~581743~~	C		70-7	
581799			20-8	5817.1
582060		E	56-13	5820.50
~~582320~~	C		56-8	none
582521			56-14	none
582528			56-14	5825.90
582532			76-3	none
582665			56-4	5826.7
582680			56-4	5826.7
582910			56-7	none
583136			56-4	none
583180		E	78-5	5832.9
583200		E	78-5	5832.9
583261		E	78-5	5832.9
583370		E	56-4	5833.9
~~583388~~	C		57-21	none

stk no	C	E	cat pg	matl std
584130			78-25	none
584133			78-25	7820.0
584135			78-25	none
584250		E	78-25	5842.1
584252		E	78-25	5842.1
584253		E	78-25	5842.1
584255		E	78-25	5842.1
584257		E	78-25	5842.50
584260		E	78-25	5842.1
584261		E	78-25	5842.50
584265		E	78-25	5842.1
584267		E	78-25	5842.50
584375		E	56-4	5843.5
584775		E	78-24	5847.1
584928			78-24	none
584945		E	78-24	5847.1
584947			78-24	5847.1
584963		E	78-24	5847.1
585020		E	78-24	5847.1
585025		E	78-24	5847.1
585030		E	78-24	5847.1
585035		E	78-24	5847.1
585040		E	78-24	5847.1
585045		E	78-24	5847.1
585135		E	78-24	5847.1
585200			56-8	none
600020			60-1	6000.00
600021			60-1	6000.00
600040			60-1	6000.00
600041			60-1	6000.00
600044			60-1	6000.00
600085			60-1	none
600113			60-1	6000.20
600121			60-1	6000.20
600126			60-1	6000.20
600318			60-1	6005.1
~~600522~~	C		60-6	6005.2
600612			60-20	6006.2
600664			60-20	6007.5
600669			60-20	6007.5
600672			60-20	6007.5
600673			60-20	6007.5
600734			60-20	6007.5
600735			60-20	6007.5
600738			60-20	6007.5
600741			60-20	6007.5
~~601007~~	C		60-42	
601011			60-24	6010.10
601014			60-24	6010.10

stk no	C	E	cat pg	matl std
601015			60-24	6010.10
601016			60-24	6010.10
601018			60-24	6009.0
602025			60-9	6020.03
605040			60-24	6010.10
605076			60-24	6010.10
605084			60-24	6010.10
605142			60-24	6010.10
605176			60-24	6010.10
605186			60-24	6010.10
610006			60-2	6100.1
610008			60-2	6100.1
610020			60-2	none
610208			60-28	6102.20
610210			60-28	6102.20
610218		E	60-28	6102.20
610222		E	60-28	6102.20
610300			60-28	none
610397			60-28	6103.9
610412			60-28	6103.90
610414			60-28	6103.90
610425			60-28	6103.90
610434			60-28	6103.90
610524			60-28	6104.5
610600			60-28	none
610833			60-2	6108.5
~~611367~~	C		60-1	
611390			60-2	6114.50
611392			60-2	6114.50
611393			60-2	6114.50
611442			60-2	6114.50
611444			60-2	6114.50
612215			60-32	6122.3
612217			60-32	6122.3
612218			60-32	6122.3
612219			60-32	6122.3
612220			60-32	6122.3
612221			60-32	6122.3
612222			60-32	6122.3
612223			60-32	6122.3
612224			60-32	6122.3
612225			60-32	6122.3
612226			60-32	6122.3
612227			60-32	6122.3
612228			60-32	6122.3
612229			60-32	6122.3
612230			60-32	6122.3

legend: E = exempt (free issue) C = canceled

stk no	C	E	cat pg	matl std
612232			60-32	6122.3
612233			60-32	6122.3
612234			60-32	6122.3
612250			60-32	6122.3
612252			60-32	6122.3
612254			60-32	6122.3
612255			60-32	6122.3
612256			60-32	6122.3
612260			60-32	6122.3
612272			60-32	6122.3
612274			60-32	6122.3
612275			60-32	6122.3
612276			60-32	6122.3
612277			60-32	6122.3
612278			60-32	6122.3
612279			60-32	6122.3
612280			60-32	6122.3
612282			60-32	6122.3
612284			60-32	6122.3
612286			60-32	6122.3
612287			60-32	6122.3
612288			60-32	6122.3
612298			60-32	6122.3
612300			60-32	6122.3
612302			60-32	6122.3
612304			60-32	6122.3
612306			60-32	6122.3
612500			60-36	none
612501			60-36	none
612502			60-36	none
612503			60-36	none
612605			60-32	none
613212			60-4	6010.20
613222			60-4	6010.20
~~613520~~	C		60-3	
613521			60-8	6020.02
613522			60-8	6020.02
613523			60-7	6020.01
613526			60-7	6020.01
613530			60-7	6020.01
613531			60-4	none
613532			60-7	none
613533			60-4	none
613534			60-7	none
613540			60-11	6020.05
613543			60-11	6020.05
613613			60-13	none
613615			60-13	none
613618			60-13	none
613619			60-13	none
613645			60-11	6020.14

stk no	C	E	cat pg	matl std
613655			60-11	6020.14
613730			60-26	6010.00
613732			60-26	6010.00
613733			60-26	6010.00
613734			60-26	6010.00
613735			60-26	6010.00
613736			60-26	6010.00
613737			60-26	6010.00
613738			60-26	6010.00
613740			60-26	6010.00
613743			60-26	6010.00
614114			60-20	none
614115			60-20	none
615500			65-26	none
615505			65-26	none
615776			60-32	6158.2
615777			60-32	6158.2
615828			60-32	6158.2
615829			60-32	6158.2
615853			60-32	6158.2
615874			60-32	none
616090			60-32	6158.2
618614			60-28	none
618615			60-28	none
618624			60-28	none
618625			60-28	none
623640			60-5	6025.70
623650			60-9	none
623655			60-13	6236.60
623670			60-5	6025.60
630025			60-40	6300.0
630026			60-40	6300.0
630027			60-40	6300.0
630029			60-40	6300.0
630030			60-40	6300.0
630031			60-40	6300.0
630051			60-40	none
630052			60-40	none
630053			60-40	none
630055			60-40	none
630505			60-40	6305.0
630506			60-40	none
630507			60-40	6305.0
630508			60-40	6305.0
630509			60-40	6305.0

stk no	C	E	cat pg	matl std
~~640300~~	C		60-5	none
640440			60-20	6404.40
640442			60-36	6404.11
640443			60-36	6404.11
640444			60-36	6404.11
640447			60-36	6404.11
640449			60-36	6404.11
640450			60-26	6404.50
640462			60-36	6404.11
640464			60-36	6404.11
640467			60-36	6404.11
640469			60-36	6404.11
642082			60-36	6420.5
642083			60-36	6420.5
642084			60-36	6420.5
650100		E	65-1	6501.1
650102		E	65-1	6501.1
650104		E	65-1	6501.1
650106		E	65-1	6501.1
650138		E	65-1	6501.1
650172			65-1	6501.1
650174			65-1	6501.1
650196			65-1	6501.1
650198			65-1	6501.1
650205			65-26	none
650210			65-26	none
650212			65-26	none
650215			65-26	none
650220			65-26	none
650225			65-26	none
650230			65-26	none
650235			65-26	none
650240			65-26	none
650245			65-26	none
650267			65-10	none
650314			65-9	6501.1
650400			65-3	none
650402			65-3	none
650404			65-3	none
650406			65-3	none
650410			65-3	none
650412			65-3	none
650414			65-3	none
650416			65-3	none
650418			65-3	none
650420			65-3	none
650422			65-3	none
650424			65-3	none
650501		E	65-3	6774.3
650502		E	65-3	6774.3

legend: E = exempt (free issue) C = canceled

stk no	C	E	cat pg	matl std
650503		E	65-3	6774.3
650554		E	65-3	6774.2
650557		E	65-3	6774.2
650558		E	65-3	6774.2
650559		E	65-3	6774.2
650561		E	65-3	6774.2
650562		E	65-3	6774.2
650563		E	65-3	6774.2
650564		E	65-3	6774.2
650565		E	65-3	6774.2
650567		E	65-3	6774.2
650568		E	65-3	6774.2
650569		E	65-3	6774.2
650578			65-9	6772.00
650579			65-9	6772.00
650591			65-4	none
650593			65-4	none
650609			65-4	6774.1
650611			65-4	6774.1
650613			65-4	6774.1
650631			65-4	6774.7
650632			65-4	6774.7
650634			65-4	6774.7
650637			65-4	6774.7
650639			65-4	6774.7
650641			65-4	6774.7
650663			65-1	6775.6
650665			65-1	6775.6
650666			65-1	6775.6
650668			65-1	6775.6
~~650708~~	C		65-4	
~~650915~~	C		65-4	
651090			65-8	none
651091			65-8	none
651092			65-8	none
651093			65-8	none
651094			65-8	none
651095			65-8	none
651096			65-8	none
651097			65-8	none
651099			65-8	none
651100			65-8	none
651101			65-8	none
651102			65-8	none
651105			65-8	none
651106			65-8	none
651107			65-8	none
651108			65-8	none
651109			65-8	none
651110			65-3	6596.4
651113			65-8	none

stk no	C	E	cat pg	matl std
651116			65-8	none
651132			65-9	6693.5
651134			65-9	6693.5
651214			65-10	none
651220			65-6	none
651222			65-6	none
651224			65-6	none
651229			65-6	none
651255			65-10	6774.9
651256			65-10	6774.9
651257			65-10	6774.9
651258			65-10	6774.9
651265			65-10	6774.9
651267			65-10	6774.8
651268			65-10	6774.8
651269			65-10	6774.8
651270			65-10	6774.8
651271			65-10	6774.8
651272			65-10	6774.8
651274			65-10	6774.8
651275			65-10	6774.8
651276			65-10	6774.8
651277			65-10	6774.8
651278			65-10	6774.8
651279			65-10	6774.8
651294			65-10	6774.8
651295			65-10	6774.8
651296			65-10	6774.8
651310			65-10	none
651312			65-10	none
651314			65-10	none
651324			65-10	none
652020		E	65-9	none
658915			56-2	6589.1
658920			56-2	6589.1
658935			56-2	6589.3
658940			56-2	6589.3
658944			56-2	6589.3
658946			56-2	6589.3
658950			56-2	none
658965			56-2	none
658979			56-2	none
658981			56-2	none
658991			56-2	none
658993			56-2	none
659123			65-1	none
659130			65-1	none
659144			65-1	none
659148			65-1	none

stk no	C	E	cat pg	matl std
~~659150~~	C		65-1	
~~659151~~	C		65-1	
659184			65-1	none
659194			65-1	6591.8
659195			65-1	6591.8
659197			65-1	6591.8
659239			65-6	none
659425			65-1	none
~~659471~~	C		65-4	
659668			65-6	none
659669			65-6	none
659799			65-6	none
659859			65-1	none
661241			65-21	6677.1
661244			65-21	6677.1
661252			65-21	none
661255			65-19	none
663506			65-18	6775.10
663524			65-18	6775.10
663530			65-18	6775.10
663538			65-18	6775.10
663544			65-18	6775.10
663559			65-18	6775.10
663561			65-18	6775.10
663562			65-18	6775.10
663563			65-18	6775.10
663564			65-18	6775.10
663565			65-18	6775.10
663567			65-18	6775.10
663570			65-18	none
663572			65-18	none
663574			65-18	none
667786			65-21	6677.1
~~667791~~	C		na	
668810			65-20	6688.3
668811			65-20	6688.3
668812			65-20	6688.3
668813			65-20	6688.3
668822			65-10	6688.5
668823			65-10	6688.5
668825			65-10	6688.5
668826			65-10	6688.5
668860		E	65-19	6688.7
668861		E	65-19	6688.7
668862		E	65-19	6688.7
668864		E	65-19	6688.7
668867		E	65-19	6688.7
668872			65-19	none

legend: E = exempt (free issue) C = canceled

stk no	C	E	cat pg	matl std
669138		E	65-20	6691.5
669140		E	65-20	6691.5
669141		E	65-20	6691.5
669379		E	65-19	6693.70
669380		E	65-19	6693.70
669381		E	65-19	6693.70
669382			65-19	6693.70
669383			65-19	6693.70
669384			65-19	6693.70
670232			65-21	none
670243			65-21	none
670283			65-21	none
670288			65-21	none
670610			65-20	none
671372			65-19	none
671375			65-19	none
671415			65-19	none
676102			65-19	6761.1
676104			65-19	6761.1
676115			65-19	6761.1
676117			65-19	6761.1
676120			65-19	6761.1
676123			65-19	6761.1
676150			65-19	none
676200			65-23	6762.1
676254			65-23	6762.7
676255			65-23	6762.7
676271			65-23	6762.7
676277			65-23	6762.7
676283			65-23	6762.7
676285			65-23	6762.7
676286			65-23	6762.7
676287			65-23	6762.7
676315		E	65-23	6763.1
676317			65-23	6763.1
676389			65-23	6762.7
676392			65-23	6762.7
676393			65-23	6762.7
676398			65-23	6762.7
676410			65-23	6762.7
676427			65-23	6762.7
676551			65-23	6762.7
676644			65-23	none
676647			65-23	none
676674			65-23	6766.1
676675			65-23	6766.1
676676			65-23	6766.1
676694			65-23	6766.1
676695			65-23	6766.1

stk no	C	E	cat pg	matl std
677065		E	65-18	6770.7
677069		E	65-18	6770.7
677071		E	65-18	6770.7
677072		E	65-18	6770.7
677075		E	65-18	6770.7
677077		E	65-18	6770.7
677079		E	65-18	6770.7
677081		E	65-18	6770.7
677083		E	65-18	6770.7
677085		E	65-18	6770.7
677087		E	65-18	6770.7
677091		E	65-18	6770.7
677096			65-18	6770.7
677100			65-18	6770.7
677110			65-18	6770.7
~~677120~~	C		65-29	none
~~677121~~	C		65-29	none
~~677126~~	C		65-29	none
677141			65-29	6771.20
677144			65-29	6771.20
677145			65-29	6771.20
677151			65-28	6771.30
677153			65-28	6771.30
677154		E	65-28	6771.30
677155			65-28	6771.30
677156		E	65-28	6771.30
677157			65-28	6771.30
677159			65-29	6771.20
677160			65-28	6771.30
677161			65-29	6771.20
677164			65-28	6771.30
677165			65-28	6771.30
677166			65-28	6771.30
677167			65-28	6771.30
677168			65-28	6771.30
677169			65-29	6771.20
677170			65-28	6771.30
677172			65-28	6771.30
677173			65-28	6771.30
677174			65-28	6771.30
677175			65-28	6771.30
677176			65-28	6771.30
677177			65-28	6771.30
677178			65-28	6771.30
677179			65-28	6771.30
677180			65-20	none
677181			65-20	none
677182			65-20	none
677184			65-27	6771.30
677185			65-27	6771.30
677186			65-27	6771.30
677187			65-29	6771.20

stk no	C	E	cat pg	matl std
677188			65-29	6771.20
677189			65-29	6771.20
677190			65-27	6771.20
677191			65-27	6771.20
677192			65-27	6771.30
677193			65-29	6771.20
677194			65-20	none
677195			65-20	none
677196			65-27	6771.30
677197			65-27	6771.30
677200			65-27	6771.30
677201			65-27	6771.30
677206			65-27	6771.30
677207			65-27	6771.30
677210			65-27	6771.30
677211			65-27	6771.30
677212			65-27	6771.30
677213			65-27	6771.30
677291		E	65-18	6770.7
677300			65-17	6774.05
677303			65-17	6774.05
677304			65-17	6774.05
677306			65-17	6774.05
677309			65-17	6774.05
677310			65-17	6774.05
677311			65-17	6774.05
677323		E	65-25	6773.5
677325		E	65-25	6773.5
677326		E	65-25	6773.5
677329		E	65-25	6773.5
677330		E	65-25	6773.5
677331		E	65-25	6773.5
677332		E	65-25	6773.5
677333			65-25	6773.5
677336			65-25	6773.5
677337			65-17	6774.6
677338			65-17	6774.6
677340			65-17	6774.6
677341			65-17	6774.6
677343			65-17	6774.6
677345			65-17	6774.6
677347			65-17	6774.6
677348			65-17	6774.6
677349			65-17	6774.6
677351			65-17	6774.6
677354		E	65-17	6773.8
677355		E	65-17	6773.8
677357		E	65-17	6773.8
677358			65-17	6773.8
677359			65-17	6773.8
677360			65-17	6773.8
677361			65-17	6773.8

legend: E = exempt (free issue) C = canceled

stk no	C	E	cat pg	matl std
677362			65-17	6773.8
677363			65-17	6773.8
677364			65-17	6773.8
677365			65-17	6773.8
677367			65-17	6773.8
677371			65-17	6773.8
677373			65-17	6773.8
677384			65-28	6771.30
677386			65-28	6771.30
677390			65-29	6771.20
677391			65-29	6771.20
677392			65-28	6771.30
677425			65-29	6771.20
677510			65-23	none
677512			65-23	none
677514			65-23	none
677532		E	65-15	6775.4
677533		E	65-15	6775.4
677535		E	65-15	6775.4
677536			65-15	6775.4
677537			65-15	6775.4
677538			65-15	6775.4
677539			65-15	6775.4
677540			65-15	6775.4
677541			65-15	6775.4
677544			65-15	6775.4
677545			65-15	6775.4
677556		E	65-15	6775.4
677577			65-15	6775.4
677581			65-15	6775.4
677796		E	65-15	6778.1
677802		E	65-15	6778.1
677803		E	65-15	6778.1
677804		E	65-15	6778.1
677808			65-15	6778.1
677901			65-15	6778.1
677903			65-15	6778.1
678005			70-42	none
678326			65-13	none
678397			65-13	none
678618		E	65-11	6786.2
678620		E	65-12	6786.2
678630			65-12	none
~~678660~~	C		65-12	none
678663			65-11	6786.2
678665			65-12	none
678687		E	65-11	6786.00
678689		E	65-11	6786.00
678692		E	65-11	6786.00
678693		E	65-11	6786.00
678694		E	65-11	6786.00

stk no	C	E	cat pg	matl std
678695		E	65-11	6786.00
678696		E	65-11	6786.00
678697		E	65-11	6786.00
678698		E	65-11	6786.00
678699		E	65-11	6786.00
678700		E	65-11	6786.00
678703			65-11	6780.0
678707			65-11	6780.0
678713			65-11	6780.0
678715			65-11	6780.0
678750			65-12	none
678752			65-12	none
678760			65-12	none
678761			65-12	none
678763			65-12	none
678800			65-11	6780.0
679648			65-25	none
679757			70-29	6303.00
679760			70-29	6303.00
679762			70-29	6303.00
679763			70-29	6303.00
679764			70-29	6303.00
679775			65-18	6774.4
679778			65-18	6774.4
679780			65-18	6774.4
679783			65-18	6774.4
679785			65-18	6774.4
679789			65-18	6774.4
679790			65-18	6774.4
679791			65-18	6774.4
680002			68-1	6800.1
680050			68-1	none
680055			68-1	none
680115			68-1	6801.40
680117			68-1	6801.40
680121			68-1	6801.3
680800			70-30	6808.9
680801			70-30	6808.9
680802			70-30	6808.9
680806			70-30	none
~~680850~~	C		70-30	
680860			70-30	6808.6
680874			70-29	6808.7
680885			70-30	6808.8
682047			68-3	6820.10
~~682087~~	C		68-3	
682097			56-5	5632.12
682099			68-3	6820.90
~~682160~~	C		68-7	

stk no	C	E	cat pg	matl std
682278			68-3	none
682295			68-3	none
682297			68-3	6820.90
682335			68-58	6857.05
682346			68-58	6857.05
682348			68-58	6857.10
682349			68-58	6857.05
682350			68-58	6857.05
682351			68-58	6857.05
682352			68-58	6857.05
682353			68-58	6857.05
682360			68-58	6857.05
682366			68-58	6857.05
682370			68-58	6857.05
682403			68-3	6828.1
682415			68-3	6828.1
~~682512~~	C		na	
~~682570~~	C		na	
682580			68-3	none
682585			68-3	none
682587			68-3	none
682601			70-36	none
682602			70-36	none
682603			70-36	none
682604			70-36	none
682605			70-36	none
682606			70-36	none
682607			68-50	6855.05
682608			30-9	none
682609			68-50	6855.05
682610			70-36	none
682611			70-36	none
682612			70-36	none
682614			70-36	none
682615			70-36	none
682618			70-36	none
682619			70-36	none
682625			70-36	none
682630			70-36	none
682631			70-36	none
682633			70-36	none
682637			70-36	none
682638			70-36	none
682639			70-36	none
682640			70-36	none
682641			70-36	none
682646			70-36	none
682647			70-36	none
682847			68-3	6828.1
682871			68-3	6828.1
682890			70-26	7205.1
682893			70-26	6828.8

legend: E = exempt (free issue) C = canceled

stk no	C	E	cat pg	matl std
682897			70-36	none
682899			70-26	none
683003			68-52	6855.15
683020			68-50	6855.05
683021			68-50	6855.05
683023			68-50	6855.05
683024			68-50	6855.05
683025			68-50	6855.05
683026			68-50	6855.05
683027			68-50	6855.05
683028			68-50	6855.05
683029			68-50	6855.05
683030			68-50	6855.05
683031			68-50	6855.05
683032			68-50	6855.05
683033			68-50	6855.05
683034			68-50	6855.05
683035			68-50	6855.05
683037			68-50	6855.10
683039			68-50	6855.10
683040			68-50	6855.10
683042			68-50	6855.10
683043			68-50	6855.10
683045			68-50	6855.10
683047			68-50	6855.10
683049			68-50	6855.10
683050			68-50	6855.10
683120			68-56	6855.40
683151			68-56	6855.50
683153			68-56	6855.50
683156			68-56	6855.50
683157			68-56	6855.50
683158			68-56	6855.50
683160			68-56	6855.50
683162			68-56	6855.50
683163			68-52	6855.25
683165			68-52	6855.25
683171			68-52	6855.25
683172			68-52	6855.25
683193			68-54	6855.35
683199			68-54	6855.35
683235			68-60	6855.07
683240			68-60	6855.07
683290			68-54	6855.65
~~683320~~	C		none	6833.5
~~683337~~	C		none	6833.5
~~683342~~	C		none	6833.5
~~683344~~	C		none	6833.5
683350			68-52	6855.15
683351			68-52	6855.15
683353			68-52	6855.15

stk no	C	E	cat pg	matl std
683354			68-52	6855.15
683355			68-52	6855.15
683356			68-52	6855.15
683357			68-52	6855.15
683358			68-52	6855.15
683360			68-54	6855.65
683411			68-52	6855.15
683471			68-12	none
683472			68-12	none
683480			68-12	none
683481			68-12	none
683482			68-12	none
683483			68-12	none
683484			68-12	none
683590			68-14	none
683615			68-14	6836.6
683616			68-14	6836.6
683617			68-14	6836.6
683618			68-14	6836.6
683621			68-14	6836.2
683622			68-14	6836.2
683623			68-14	6836.2
683624			68-14	6836.2
683625			68-14	6836.2
683626			68-14	6836.2
683627			68-14	6836.2
683629			68-14	6836.2
683630			68-14	6836.2
683637			68-14	6836.50
683638			68-14	6836.50
683639			68-14	6836.50
683641			68-14	6836.3
683643			68-14	6836.3
683646			68-14	6836.3
683647			68-14	6836.3
683648			68-14	6836.3
683649			68-14	6836.3
683650			68-14	6836.3
683651			68-14	6836.3
683652			68-14	6836.3
683659			68-14	6836.50
683706		E	68-7	6837.10
683708		E	68-7	6837.10
683710		E	68-7	6837.10
683711		E	68-7	6837.10
683713		E	68-7	6837.10
683715		E	68-7	6837.10
683717		E	68-7	6837.10
683718		E	68-7	6837.10
683724		E	68-7	6837.10
~~683726~~	C	E	na	6837.10
683728		E	68-7	6837.10

stk no	C	E	cat pg	matl std
683739			68-7	none
~~684081~~	C		na	
684358			68-9	none
684359			68-9	none
684711			68-7	6828.1
684714			68-7	6828.1
684721			68-7	none
684727			68-7	none
684729			68-7	none
684731			68-7	none
684735			68-7	none
684736			68-7	none
684737			68-7	none
684751			68-7	none
684756			68-7	none
684757			68-7	none
684758			68-7	none
~~684883~~	C		68-9	
684900			68-9	6840.2
684902			68-9	6840.2
684905			68-9	6840.2
684907			68-9	6840.2
684908			68-10	6840.4
684910		E	68-9	6849.1
684912		E	68-9	6849.1
684913			68-9	none
~~684915~~	C		68-9	none
684920			68-9	none
684925			68-9	none
684930			68-10	6849.5
684933			68-10	6849.5
684935			68-10	6840.1.1
684937			68-10	6840.1.1
~~684957~~	C		68-10	
685006			68-10	6840.1
685008			68-10	6840.1
685010			68-10	6840.1
685011			68-10	6840.1
685101			68-7	none
685102			68-7	none
685103			68-7	none
685105			68-7	none
685106			68-7	none
~~685252~~	C		na	
686056			65-9	6772.00
686075			65-9	6772.00
686076			65-9	6772.00
686078			65-9	6772.00
686103			70-23	none

legend: E = exempt (free issue) C = canceled

stk no	C	E	cat pg	matl std
686106			70-23	none
686113			70-23	none
686125			70-23	none
686128			70-23	none
686130			70-23	none
686138			70-23	none
686143			70-23	none
686145			70-23	none
686146			70-23	none
686150			70-23	none
686152			70-23	none
686154			70-23	none
686156			70-23	none
686196			70-47	6862.01
686197			70-47	none
686200			70-45	6862.0
686201			70-49	6862.4
686202			70-49	6862.3
686203			70-49	6862.4
686204			70-49	6862.3
686205			70-49	6862.3
686208			70-49	6862.3
686209			70-49	6862.4
~~686210~~	C		70-42	
~~686211~~	C		70-42	
686213			70-47	6862.10
686216			70-4	6864.07
686220			70-49	6862.2
686221			70-49	none
686223			70-94	6863.34
686226			70-94	6863.34
686227			70-94	6863.34
686228			70-94	6863.34
686231			56-78	6862.7
686232			56-78	6862.7
686233			56-78	6862.7
686234			56-78	6862.7
686235			56-78	6862.7
686236			56-78	6862.7
686240			70-22	none
686250			70-47	6862.5
~~686264~~	C		70-31	
686270			70-47	6862.01
686273			70-75	6862.6
686280			70-47	6862.8
686281			70-47	6862.6
686282			70-47	6862.6
686283			70-47	6862.9
~~686300~~	C		70-31	
686310			70-63	6863.15
~~686314~~	C		70-12	6863.10
686315			70-63	6863.15
~~686345~~	C		70-12	6863.10
686346			70-63	6863.15
686348			70-63	6863.15
686349			70-61	6863.10
686350			70-63	6863.15
686351			70-61	6863.10
686352			70-63	6863.15
686353			70-69	6863.17
686354			70-73	6863.17
686355			70-73	6863.17
686356			70-69	6863.17
686357			70-69	6863.17
686358			70-71	6863.17
686359			70-61	6863.10
686360			70-63	6863.15
686361			70-63	6863.15
686362			70-61	6863.10
686363			70-73	6863.17
~~686364~~	C		70-12	
686365			70-63	6863.15
686366			70-61	6863.10
686369			70-61	6863.10
686370			70-63	6863.15
686372			70-63	6863.15
686375			70-61	6863.10
686376			70-61	6863.10
686377			70-61	6863.10
686378			70-61	6863.10
686379			70-71	6863.17
686380			70-71	6863.17
686382			70-71	6863.17
686383			70-67	6863.17
686384			70-67	6863.17
686386			70-47	6862.5
686387			70-75	6862.10
686392			70-71	6863.17
686393			70-71	6863.17
686394			70-71	6863.17
686396			70-69	6863.17
686397			70-71	6863.17
686398			70-61	6863.10
686399			70-71	6863.17
686411			70-11	6864.17
686412			70-10	6864.15
686413			70-10	6864.15
686414			70-10	6864.15
686416			70-10	6864.15
686417			70-2	6864.00
~~686418~~	C		70-13	
686420			70-13	6864.17
686421			70-2	6864.00
686423			70-7	6864.05
686424			70-2	6864.00
686426			70-10	6864.15
686430			70-12	6864.17
686431		E	70-51	none
686432			70-13	6864.17
686433			70-12	6864.17
686434			70-12	6864.17
686435			70-12	6864.17
686437			70-12	6864.17
686440			70-10	6864.15
686442			70-3	6864.05
686443			70-5	6864.07
686444			70-5	6864.07
686445			70-3	6864.05
~~686447~~	C		70-7	
686449			70-5	6864.07
686450			70-5	6864.07
686451			70-5	6864.07
686452			70-4	6864.07
686453			70-5	6864.07
686454			70-4	6864.07
686455			70-4	6864.07
686456			70-11	6864.17
686458			70-13	6864.17
686461			70-23	none
			70-49	
686462			70-13	6864.17
686463			70-13	6864.17
686464			70-4	6864.0.3
686465		E	70-7	7653.16
686466			70-7	none
686467			70-7	6864.03
686469			70-11	6864.17
686471			70-23	none
686479			70-23	none
686480			70-23	none
686482			70-23	none
686484			70-23	none
~~686490~~	C		70-23	
686512			70-20	none
686514			70-20	none
686516			70-20	none
686521			70-22	6865.10
686522			70-22	6865.10
686526			70-22	6865.10
686527			70-22	6865.10
686528			70-22	6865.10
686531			70-22	6865.10
686532			70-22	6865.10
~~686534~~	C		70-22	6865.10
~~686535~~	C		70-22	
686536			70-22	6865.10

legend: E = exempt (free issue) C = canceled

stk no	C	E	cat pg	matl std
686538			70-22	6865.10
686541			73-37	none
686551			70-14	6864.17
686552			70-4	6864.07
686555			70-4	6864.07
686560			70-14	6864.17
686561			70-14	6864.17
686562			70-14	6864.17
686563			70-14	6864.17
686580			73-18	none
686611			70-18	6871.3
686612			70-18	6871.3
686613			70-18	6871.3
686616			70-18	6871.3
686726			70-12	6864.17
686730			70-11	6864.17
686732			70-11	6864.17
686784		E	70-44	6867.5
686786		E	70-44	6867.5
686790		E	70-44	6867.5
686792		E	70-44	6867.5
686794		E	70-44	6867.5
686796		E	70-44	6867.5
686798			70-49	6867.9
686799			70-49	6867.9
686830			70-45	none
686835			70-45	none
686855			70-26	none
686860			70-26	none
686865			70-26	none
686870			70-26	none
686900			70-96	6863.37
686905			70-96	6863.37
686910			70-96	6863.37
686913			70-92	6863.30
686914			70-92	6863.30
686915			70-96	6863.37
686916			70-92	6863.30
686917			70-92	6863.30
686918			70-92	6863.30
686919			70-92	6863.30
686920			70-92	6863.30
686925			70-96	6863.37
~~687002~~	C		70-12	6863.10
687009			70-47	6863.5
687019			70-82	6863.25
687020			70-82	6863.25
687025			70-82	6863.25
687028			70-82	6863.25
687030			70-82	6863.25
687035			70-82	6863.25

stk no	C	E	cat pg	matl std
~~687045~~	C		70-10	
~~687049~~	C		70-13	
~~687053~~	C		70-13	
687060			70-82	6863.25
~~687108~~	C		70-13	
~~687112~~	C		70-13	
~~687113~~	C		70-13	
~~687117~~	C		70-13	
~~687119~~	C		70-13	
~~687120~~	C		70-13	
687130			70-18	6871.3
687132			70-18	6871.3
687134			70-18	6871.3
687136			70-18	6871.3
687138			70-18	6871.3
687140			70-18	6871.3
687160			70-17	none
687163			70-17	none
~~687250~~	C		70-15	
687260			70-84	6863.27
687270			70-84	6863.27
687280			70-84	6863.27
687340			70-84	6863.27
687345			none	none
687429			70-65	6863.16
687430			70-65	6863.16
687431			70-65	6863.16
687435			70-66	6863.16
687437			70-65	6863.16
687490			70-66	6863.16
~~687502~~	C		70-18	6871.3
~~687503~~	C		70-18	6871.3
~~687504~~	C		70-18	6871.3
687506			70-18	6871.3
687507			70-18	6871.3
687508			70-18	6871.3
687510			70-18	6871.3
687514			70-18	6871.3
687516			70-18	6871.3
687520			70-18	6871.3
687530			70-19	none
687540			70-21	6871.3
687541			70-21	6871.3
687545			70-21	6871.3
687546			70-21	6871.3
687551			70-21	6871.3
687553			70-21	6871.3
687554			70-21	6871.3
687604			70-66	6863.16
687606			70-66	6863.16
687610			70-66	6863.16
687612			70-66	6863.16

stk no	C	E	cat pg	matl std
687614			70-66	6863.16
687615			70-66	6863.16
687619			70-19	none
687620			70-19	none
687622			70-19	none
687624			70-19	none
687630			70-19	none
687700			70-39	none
687701			70-39	none
~~687705~~	C		70-39	
~~687710~~	C		70-39	
~~687715~~	C		70-39	
687716			70-39	none
687717			70-39	none
687720			70-39	none
687725			70-39	7206.3
687726			70-39	none
687727			70-39	none
687730			30-9	6877.3
687745			70-39	none
687750			70-39	none
~~687755~~	C		70-39	
687762			70-39	none
688001			70-38	none
688005			70-38	none
				+
689754		E	70-44	none
689757		E	70-44	none
689759		E	70-44	none
689760		E	70-44	none
689761		E	70-44	none
689762		E	70-44	none
689764		E	70-44	none
689766		E	70-44	none
689768		E	70-44	none
689770		E	70-44	none
689772		E	70-44	none
689774		E	70-44	none
689754		E	70-44	none
689757		E	70-44	none
689759		E	70-44	none
689760		E	70-44	none
689761		E	70-44	none
689762		E	70-44	none
689764		E	70-44	none
689766		E	70-44	none
689768		E	70-44	none
689770		E	70-44	none
689772		E	70-44	none
689774		E	70-44	none

legend: E = exempt (free issue) C = canceled

stk no	C	E	cat pg	matl std
690005		E	69-10	6900.10
690090			69-54	6900.5
690092		E	69-54	6900.5
690094			69-54	6900.5
690096			69-54	6900.5
690104		E	69-54	6901.10
690106		E	69-54	6901.10
690137			69-42	none
690138			69-42	none
690139			69-42	none
~~**690154**~~	C		69-9	
690157			69-12	6901.30
690159			69-12	6901.4
690161			69-12	6901.30
690163			69-12	6901.4
690166			69-12	6901.4
690173			69-12	6901.6
690176			69-22	none
690177			69-22	none
690178			69-22	none
690179			69-22	none
~~**690180**~~	C		69-7	
690181			69-22	none
690184			69-22	6901.5
690186			69-30	6901.80
690187			69-30	6901.80
690189			69-26	6901.55
~~**690192**~~	C		69-9	
~~**690208**~~	C		69-10	6902.1
690210			69-20	6902.5
690214			69-20	6902.5
690215			69-20	6902.5
690220			69-20	6902.5
690233			69-14	6902.30
690235			69-14	6902.30
690237			69-24	6902.35
690253			69-30	6901.80
~~**690262**~~	C		69-30	6902.7
690280			69-30	6901.80
690284			69-30	none
~~**690289**~~	C		69-30	6902.7
~~**690292**~~	C		69-30	6902.7
690402		E	69-1	6904.20
690404		E	69-1	6904.20
690405		E	69-1	none
690411		E	69-1	none
690452			69-1	6904.10
690455			69-1	6904.10
690458		E	69-1	6904.10
690656		E	69-1	6906.1
690658		E	69-1	6906.1
690706		E	69-1	6907.1

stk no	C	E	cat pg	matl std
690765			70-41	none
690770			70-41	none
690772			70-41	none
690775			70-41	none
690777			70-41	none
690780			70-41	none
690856			70-29	6908.1
690862			70-29	6808.11
690880			70-29	6908.0
690882			70-29	6908.2
693008			69-78	none
693009			69-78	none
693010			69-78	none
693015			69-66	none
693017			69-68	none
693043			69-78	none
693045			69-78	none
693060			69-76	none
693085			69-76	none
693370			69-72	6933.1
693805			69-72	6937.1
693825			69-72	6937.1
693901			69-72	6939.10
694292			69-72	6942.2
694294			69-72	6942.2
695015			69-76	6950.2
695016			69-76	6950.1
695115			69-76	6951.1
695119			69-76	6951.1
695137			69-76	6951.1
695155			69-76	6951.1
695167			69-76	6951.1
695182			69-78	6951.5
695183			69-78	6951.5
695192			69-78	6951.5
695193			69-78	6951.5
695194			69-78	6951.5
695195			69-78	6951.5
695196			69-78	6951.5
695505			69-60	6955.1
695515			69-60	6955.1
695525			69-60	6955.1
695540			69-60	6955.2
695545			69-60	6955.2
695550			69-60	6955.2
695860			69-60	6955.1
695970			69-60	6955.2
696008			69-60	6960.2

stk no	C	E	cat pg	matl std
696017			69-60	6960.2
696020			69-60	6960.2
696029			69-60	6960.2
696135			69-60	6955.1
696195			69-62	none
696200			69-62	none
696603			69-62	6966.15
696604			69-62	6966.15
696605			69-62	6966.15
696618			69-62	6966.18
696620		E	69-62	6966.17
696621		E	69-62	6966.17
696622		E	69-62	6966.17
696623		E	69-62	6966.17
696624			69-62	6966.17
696625			69-62	6966.17
696626			69-62	6966.17
696627			69-62	6966.17
696826		E	69-66	6901.31
696828		E	69-66	6901.31
696832			70-29	6968.1
696836			70-29	6968.1
710100			70-34	7100.0
710101			70-34	7100.0
710110			70-34	7100.0
710112			70-34	7100.0
710114			70-34	7100.0
710116			70-34	7100.0
710117			70-34	7100.0
710118			70-34	7100.0
710122			70-34	7100.0
710123			70-34	7100.0
710124			70-34	7100.0
710127			70-34	7100.0
710128			70-34	7100.0
710129			70-34	7100.0
710363			71-2	none
710364			71-2	none
710365			71-2	none
710366			71-2	none
710367			71-2	none
710368			71-2	none
710369			71-2	none
710370			71-2	none
~~**711071**~~	C		71-8	none
711073			71-8	none
711075			71-10	none
711172			71-5	none
711173			71-5	none
711174			71-5	none

legend: E = exempt (free issue) C = canceled

stk no	C	E	cat pg	matl std
711175			71-5	none
711176			71-5	none
711177			71-5	none
711178			71-5	none
711179			71-5	none
711181			71-5	none
711182			71-5	none
711183			71-5	none
711184			71-5	none
711185			71-5	none
711186			71-5	none
711187			71-5	none
711188			71-5	none
711189			71-5	none
711190			71-5	none
711191			71-5	none
711192			71-5	none
711193			71-5	none
711194			71-5	none
711195			71-5	none
711196			71-5	none
711197			71-5	none
711198			71-5	none
711203			71-5	none
711343			71-5	none
~~711344~~	C		71-5	none
711345			71-5	none
711346			71-5	none
711347			71-5	none
711348			71-5	none
711349			71-5	none
711350			71-5	none
711351			71-5	none
711353			71-5	none
711431			76-43	none
711440			76-43	none
711503			71-8	none
~~711522~~	C		76-43	
~~711523~~	C		76-43	
711661			71-4	none
711662			71-4	none
711663			71-4	none
711664			71-4	none
711665			71-4	none
711666			71-4	none
711667			71-4	none
711668			71-4	none
711669			71-4	none
711670			71-4	none
711901			71-5	none
711902			71-5	none
711903			71-5	none

stk no	C	E	cat pg	matl std
711904			71-5	none
711905			71-5	none
711906			71-5	none
711907			71-5	none
711908			71-5	none
711909			71-5	none
711910			71-5	none
711924			71-5	none
711925			71-5	none
711926			71-5	none
711927			71-5	none
711928			71-5	none
711929			71-5	none
711942			71-5	none
711944			71-5	none
711945			71-5	none
711946			71-5	none
711947			71-5	none
711948			71-5	none
711949			71-5	none
~~712104~~		C	71-6	none
712105			71-6	none
712106			71-6	none
712107			71-6	none
712108			71-6	none
712109			71-6	none
712212			76-43	none
712781			71-4	none
712782			71-4	none
712783			71-4	none
712784			71-4	none
712785			71-4	none
712786			71-4	none
712787			71-4	none
712788			71-4	none
712789			71-4	none
712790			71-4	none
712791			71-4	none
712802			71-4	none
712803			71-4	none
712804			71-4	none
712805			71-4	none
712822			71-4	none
712823			71-4	none
712824			71-4	none
712825			71-4	none
712826			71-4	none
712827			71-4	none
712828			71-4	none
712844			71-4	none
712845			71-4	none

stk no	C	E	cat pg	matl std
712846			71-4	none
712847			71-4	none
712848			71-4	none
712849			71-4	none
712850			71-4	none
712854			71-4	none
712861			71-4	none
712862			71-4	none
712863			71-4	none
712864			71-4	none
712865			71-4	none
712866			71-4	none
712867			71-4	none
712868			71-4	none
712869			71-4	none
712882			71-4	none
712883			71-4	none
712884			71-4	none
712885			71-4	none
712886			71-4	none
712887			71-4	none
712888			71-4	none
712889			71-4	none
712903			71-4	none
712904			71-4	none
712905			71-4	none
712906			71-4	none
712907			71-4	none
712908			71-4	none
712909			71-4	none
712910			71-4	none
712922			71-4	none
712924			71-4	none
712925			71-4	none
712927			71-4	none
712929			71-4	none
712943			71-4	none
712944			71-4	none
712945			71-4	none
712946			71-4	none
712947			71-4	none
712948			71-4	none
712949			71-4	none
712951			71-4	none
712964			71-4	none
712965			71-4	none
712966			71-4	none
712982			71-4	none
712983			71-4	none
712984			71-4	none
712985			71-4	none
712986			71-4	none

legend: E = exempt (free issue) C = canceled

stk no	C	E	cat pg	matl std
712987			71-4	none
712988			71-4	none
712989			71-4	none
713004			71-4	none
713024			71-4	none
713025			71-4	none
713083			76-43	none
713281			71-4	none
713283			71-4	none
713285			71-4	none
713287			71-4	none
713289			71-4	none
713291			71-4	none
713293			71-4	none
713295			71-4	none
713297			71-4	none
713338			73-12	7134.6
713380			71-6	none
713381			71-6	none
713383			71-6	none
713384			71-6	none
713386			71-6	none
713387			71-6	none
713388			71-6	none
713389			71-6	none
713390			71-6	none
713393			71-6	none
713396			71-6	none
713397			71-6	none
713398			71-6	none
713400			71-6	none
713401			71-6	none
713402			71-6	none
713440		E	73-12	7134.5
713441		E	73-12	7134.5
713442		E	73-12	7134.5
713443		E	73-12	7134.5
713444		E	73-12	7134.5
713445			73-12	7134.5
713446			73-12	7134.5
713447			73-12	7134.5
713448			73-12	7134.5
713449			73-12	7134.5
713450			73-12	7134.5
713451			73-12	7134.5
713452			73-12	7134.6
713453			73-12	7134.6
713454			73-12	7134.6
713455			73-12	7134.6
713456			73-12	7134.6
713461		E	73-12	7134.7

stk no	C	E	cat pg	matl std
713462		E	73-12	7134.7
713463		E	73-12	7134.7
713464			73-12	7134.7
713465			73-12	7134.7
713466			73-12	7134.7
713467			73-12	7134.7
713468			73-12	7134.7
713469			73-12	7134.7
713470			73-12	7134.7
713488			71-8	none
713542			71-6	none
713543			71-6	none
713544			71-6	none
713545			71-6	none
713546			71-6	none
713547			71-6	none
713548			71-6	none
713549			71-6	none
713639			71-6	none
713782			71-10	none
713783			71-10	none
713822			71-6	none
713823			71-6	none
713824			71-6	none
713825			71-6	none
713826			71-6	none
713827			71-6	none
713828			71-6	none
713829			71-6	none
713902			71-8	none
713903			71-8	none
713904			71-8	none
713905			71-8	none
713906			71-8	none
713925			71-8	none
713926			71-8	none
713972			71-8	none
713973			71-8	none
713974			71-8	none
713975			71-8	none
713976			71-8	none
713977			71-8	none
713978			71-8	none
714076			71-8	none
714077			70-34	7100.0
714079			70-34	7100.0
720080			72-4	none
720117			72-9	none
720119			72-9	none
720130			70-33	none

stk no	C	E	cat pg	matl std
720194			70-56	none
720224			70-56	none
720226			70-56	7204.70
720228			70-57	none
720229			70-56	none
720230			70-56	none
720235			70-57	none
720236			70-57	none
~~720386~~	C		70-25	none
720388			70-55	7203.08
720391			70-55	7203.10
720393			70-55	7203.12
720394			70-55	7203.12
720397			70-55	7203.12
720399			70-55	7203.12
720402			70-55	7203.10
720461			70-56	7204.70
~~720463~~	C		70-56	
720465			70-56	7204.70
720466			70-56	7204.70
720475			70-26	none
720550			70-56	7204.3
720619		E	70-40	none
720620		E	70-40	none
720621		E	70-40	none
720623		E	70-40	none
720625		E	70-40	7206.2
720626		E	70-40	7206.2
720627			70-42	7206.11
720629		E	70-40	7206.2
720630			70-45	7206.5
720631		E	70-40	7206.2
720632			70-42	none
720633			70-42	none
720634			70-42	none
720635			70-42	none
720638			56-5	none
720640			70-45	none
720641			56-5	none
~~720644~~	C		72-4	
720645			70-42	none
720658			70-42	none
720659			70-42	none
720700			72-4	none
720710			70-51	none
720726			72-2	none
720737			56-8	none
721216			72-4	none
721228			72-4	none
721234			72-4	none
721236			72-4	none

legend: E = exempt (free issue) C = canceled

stk no	C	E	cat pg	matl std
721238			72-4	none
721630			72-9	none
721662		E	70-40	7216.7
721664		E	70-40	7216.7
721666		E	70-40	7216.7
721722			72-7	none
721782			72-4	7217.80
721785			72-4	7217.80
~~721788~~	C		72-4	
~~721790~~	C		72-4	
722020			75-3	none
722022			75-3	none
~~722040~~	C		72-11	
722046			72-11	none
722047			72-11	none
~~722048~~	C		72-11	
722050			72-11	none
722076			72-11	none
722077			72-11	none
722078			72-11	none
722132			72-14	none
722139			72-14	none
722142			72-14	none
722153			72-14	none
722159			72-14	none
722162			72-14	none
722176			73-27	none
722200			76-49	none
722204			76-49	none
722208			76-49	none
722212			76-49	none
722213			76-49	none
722218			76-6	none
722220			76-6	none
722224			76-6	none
722228			76-6	none
722232			77-8	none
722234			76-49	none
722236			76-49	none
~~722244~~	C		72-12	none
722268			72-11	none
722275			72-11	none
722292			72-11	none
722293			72-11	none
722316			72-7	none
722320			72-7	none
722324			72-7	none
722328			72-7	none
722336			72-7	none
722340			72-7	none
722344			72-7	none

stk no	C	E	cat pg	matl std
722386			76-32	none
722389			76-32	none
722392			76-32	none
722395			76-32	none
722400			76-32	none
722403			76-32	none
722496			76-6	none
722498			76-6	none
722500			76-6	none
722502			76-6	none
722504			76-6	none
722506			76-6	none
722508			76-6	none
~~722509~~	C		72-12	none
~~722510~~	C		72-12	none
~~722512~~	C		72-12	none
~~722520~~	C		72-12	none
~~722524~~	C		72-12	none
~~722525~~	C		72-12	none
~~722527~~	C		72-12	none
~~722575~~	C		72-9	none
~~722594~~	C		72-9	none
~~722596~~	C		72-9	none
~~722598~~	C		72-9	none
~~722599~~	C		72-9	none
~~722600~~	C		72-9	none
~~722601~~	C		72-9	none
~~722602~~	C		72-9	none
~~722636~~	C		72-12	none
~~722644~~	C		72-12	none
722648			72-12	none
~~722652~~	C		72-12	none
722658			72-14	7226.6
722660			72-14	7226.6
722662			72-14	none
722666			72-14	none
722670			72-14	none
722678			72-14	none
722686			72-14	none
722698			72-14	none
722702			72-14	none
722710			72-14	none
722726			72-14	none
722738			72-14	none
722742			72-14	none
722752			72-12	none
722756			72-12	none
722758			72-12	none
~~722760~~	C		72-12	none
~~722768~~	C		72-12	none
~~722770~~	C		72-12	none
~~722822~~	C		72-12	none

stk no	C	E	cat pg	matl std
722844			76-32	none
723024			72-9	none
723030			75-3	none
723031			75-1	none
723032			75-1	none
723034			75-1	none
723040			72-7	none
723044			72-7	none
723046			72-7	none
723048			72-7	none
723052			72-7	none
723054			72-7	none
723055			72-7	none
723064			72-7	none
723106			72-7	none
723108			72-7	none
723114			72-7	none
723120			72-7	none
723121			72-7	none
~~723184~~	C		72-12	none
~~723186~~	C		72-12	none
~~723195~~	C		72-12	none
~~723220~~	C		72-12	none
723298			76-45	none
723301			71-10	none
~~723306~~	C		76-6	none
723334			71-10	none
723338			72-11	none
723359			76-17	7658.5
723360			76-17	7658.5
723362			76-17	7658.5
723364			76-17	7658.5
723365			76-17	7658.5
723366			76-17	7658.5
723370			76-17	7658.5
723372			76-17	7658.5
723374			72-9	none
723376			76-17	none
723378			76-17	none
723380			76-17	7658.5
723382			76-17	7658.5
723502			70-40	none
723505			70-40	none
723506			70-40	none
723510			70-40	none
723603			78-22	none
723604			78-22	none
723605			78-22	none
723606		E	78-22	none
723607		E	78-22	none
723608			78-22	none

legend: E = exempt (free issue) C = canceled

stk no	C	E	cat pg	matl std
723609			78-22	none
723610			78-22	none
723611			78-22	none
723613			78-22	none
723615			78-22	none
723620			78-22	none
723622			78-22	none
723624			78-22	none
723633			78-22	none
723752			76-42	none
723760			76-42	none
724354			72-20	none
724358			72-20	none
724372			72-20	none
724432			72-20	none
724434			72-20	none
~~724440~~	C		72-20	7240.5
724478			72-20	none
724484			72-20	none
724512			72-20	none
724513			72-20	none
724514			72-20	none
724564			72-20	none
724776			72-20	none
724779			72-21	7240.80
724780			72-21	7240.80
724782			72-21	7240.80
~~724784~~	C		72-21	
724785			72-21	7240.80
724786			72-21	7240.80
724787			72-21	7240.80
724830			72-21	none
724910			72-21	none
724911			72-21	none
724982			72-20	none
725020			72-20	none
725128			72-21	none
725130			72-21	none
725231			72-21	none
725238			72-21	none
725286			72-21	none
725294			72-21	none
725334			72-21	none
725386			72-21	none
725471			72-22	none
725472			72-22	none
725474			72-22	none
725488			72-22	none
725662			72-22	none
725694			72-21	none

stk no	C	E	cat pg	matl std
725696			75-2	none
725704			72-21	none
~~725720~~	C		72-22	
725760			72-22	none
725788			72-22	none
726027			75-4	none
726028			75-3	none
726034			75-1	none
726066			72-9	none
~~726074~~	C		72-9	
726156			75-4	none
726157		E	75-4	7261.5
726158			75-4	7261.5
726163			75-4	7261.5
726164			77-4	none
726166			75-4	none
~~726167~~	C		75-4	none
726168			75-4	none
726180			75-2	7261.8
726181			75-2	7261.12
726182			75-2	7261.1
726223			75-2	7262.2
726225			75-2	7262.2
726226			75-2	7262.2
726227			75-2	7262.2
726239			72-9	none
726241			72-9	none
726245			72-9	none
726279			72-9	none
726290			75-3	none
726294		E	75-2	none
726318			75-2	none
726320			75-2	none
726322			75-2	none
726323			75-2	none
726324			75-2	none
726330			76-12	none
726332			76-12	7263.3
726334			76-12	none
726335			76-12	none
726350			75-3	none
726366			75-3	none
726390			77-6	none
726391			77-6	none
~~726446~~	C		76-40	none
~~726480~~	C		75-3	none
~~726481~~	C		75-3	none
~~726482~~	C		75-3	7264.1
~~726486~~	C		75-3	none
~~726494~~	C		75-3	none
~~726502~~	C		76-40	none

stk no	C	E	cat pg	matl std
~~726510~~	C		76-40	none
726515			76-40	none
~~726518~~	C		76-40	none
726532			75-1	none
726536			75-1	none
~~726537~~	C		75-1	none
726548			75-3	none
726550			75-3	none
726555			75-3	none
726570			75-1	none
726572			75-1	none
726580			75-1	none
~~726654~~	C		75-3	none
~~726662~~	C		75-3	
726670			75-3	none
726680			75-3	none
726682			75-3	none
726684			75-3	none
726685			75-3	none
~~726690~~	C		75-4	none
~~726706~~	C		75-4	
726708			75-4	none
726744			75-4	none
726810			72-16	7268.1
726818			72-16	7268.1
726828			72-16	7268.1
726832			72-16	7268.1
726834			72-16	7268.1
726838			72-18	none
726839			72-19	none
726840			72-19	none
726844			77-8	none
726846			77-8	none
726848			77-8	none
726850			77-8	none
726860			56-8	none
726861			56-8	none
726870			77-8	none
726902			72-16	none
726918			72-16	none
726934			72-16	none
726992			72-16	none
727008			72-18	none
727022			72-16	none
727023			72-16	none
727024			72-16	none
727032			72-16	none
727034			72-16	none
727172			76-49	none
727228			72-16	none
727230			72-16	7272.2

legend: E = exempt (free issue) C = canceled

stk no	C	E	cat pg	matl std
727232			72-16	7272.2
727233			72-16	7272.2
727234			72-16	7272.2
727239			72-16	7272.2
727340			72-16	none
727342			72-16	none
727358			72-16	none
727366			72-16	none
727686			72-18	7276.9
727687			72-18	7276.9
727696			72-18	7276.9
727706			72-18	7276.9
727708			72-18	7276.9
727710			72-18	7276.9
727712			72-18	7276.9
727714			72-18	7276.9
727716			72-18	none
727720			72-18	none
728016			76-41	none
728112			76-41	none
728136			76-41	none
728496			76-41	none
728504			76-41	none
728514			76-41	none
728528			76-41	none
728536			76-41	none
730203			73-31	none
730210			73-31	none
730211			73-31	none
~~**730232**~~	C		73-31	
730233			73-31	none
730234			73-31	none
730235			73-31	none
730244			73-31	none
730332			73-31	7303.0
730344			73-31	7303.0
730345			73-31	7303.0
730346			73-31	7303.0
730347			73-31	7303.0
730348			73-31	7303.0
730349			73-31	7303.0
730350			73-31	7303.0
730390			73-30	none
730392			73-30	none
730461			73-30	none
730511			73-30	none
730512			73-30	none
730519			73-30	none
730530			73-30	none
730552			73-30	none

stk no	C	E	cat pg	matl std
730553			73-30	none
730582			57-19	5722.15
730584			57-19	5722.15
730621			73-30	none
730622			73-30	none
730623			73-30	none
730625			73-30	none
730626			73-30	none
730627			73-30	none
730628			73-30	none
730629			73-30	none
730630			73-30	none
730631			73-30	none
730655			73-30	none
730656			73-30	none
730671			57-19	5722.10
730673			73-30	none
730674			57-19	5722.10
730675			57-19	5722.10
730692			73-30	none
730693			73-30	none
731001			73-9	none
731027			73-8	none
731028			73-8	none
731029			73-8	none
731030			73-8	none
731032			73-8	none
731038			73-5	none
731040			73-5	none
731042			73-5	none
731047			73-8	none
731048			73-8	none
731049			73-8	none
731050			73-8	none
731051			73-8	none
731052			73-8	none
731053			73-8	none
731059			73-9	none
731061			73-65	7343.5
731062			73-65	7343.5
731063			73-65	7343.5
731066			73-65	7343.5
731067			73-65	7343.5
731069			73-65	7343.5
731076			73-72	none
731077			73-72	none
731078			73-72	none
731079			73-72	none
731080			73-72	none
731081			73-72	none
731082			73-72	none

stk no	C	E	cat pg	matl std
731083			73-72	none
731084			73-72	none
731085			73-72	none
731086			73-72	none
731090			73-9	none
731091			73-72	7050.05
731092			73-72	7050.05
731093			73-72	7050.05
731094			73-72	7050.05
731095			73-72	7050.05
731096			73-72	7050.05
731097			73-72	7050.05
731098			73-72	7050.05
731099			73-72	7050.05
731100			73-72	7050.05
731102			73-72	7050.05
731115			73-9	none
731130			73-9	7311.4
731131			73-9	7311.4
731142			70-42	none
731146			73-72	none
731149			73-72	none
731150			73-72	none
731152			73-72	none
731153			73-72	none
731155			73-72	none
731181			73-5	none
731182			73-5	none
731183			73-5	none
731189			73-5	none
731190			73-5	none
731191			73-5	none
731196			73-5	none
731260			73-72	none
731270			73-18	none
731271			73-18	none
731272			73-18	none
731274			73-18	none
731275			73-18	none
731276			73-18	none
731279			73-18	none
731282			73-18	none
731283			73-18	none
731284			73-18	none
731301			73-9	none
731302			73-9	none
731310			73-9	none
731311			73-9	none
731312			73-9	none
731318			73-9	none
731319			73-9	none
731325			73-9	none

legend: E = exempt (free issue) C = canceled

stk no	C	E	cat pg	matl std
731331			73-9	none
731402			73-12	none
731412			73-12	none
731418			73-12	none
731419			73-12	none
731420			73-12	none
731425			73-10	7314.4
731426			73-10	7314.4
731427			73-10	7314.4
731428			73-10	7314.4
731429			73-10	7314.4
731430			73-10	7314.4
731431			73-10	7314.4
731432			73-10	7314.4
731433			73-10	7314.4
731434			73-10	7314.4
731439			73-10	none
731490			73-74	none
731491			73-74	none
731492			73-74	none
731493			73-74	none
731494			73-74	none
731495			73-74	none
731496			73-74	none
731497			73-74	none
731498			73-74	none
731499			73-74	none
731505			73-74	none
731506			73-74	none
731507			73-74	none
731508			73-74	none
731509			73-74	none
731510			73-74	none
731515			73-74	none
731516			73-74	none
731517			73-74	none
731519			73-74	none
731520			73-74	none
731521			73-74	none
731522			73-74	none
731523			73-74	none
731524			73-74	none
731530			73-74	none
731531			73-74	none
731532			73-74	none
731534			73-74	none
731554			73-18	none
731555			73-18	none
731556			73-18	none
731557			73-18	none
731558			73-18	none
731559			73-18	none
731565			73-74	none
731566			73-74	none
731567			73-74	none
731568			73-74	none
731569			73-74	none
731570			73-74	none
731571			73-74	none
731572			73-74	none
731573			73-74	none
731574			73-74	none
731575			73-74	none
731591			73-74	none
731592			73-74	none
731593			73-74	none
731594			73-74	none
731595			73-74	none
731701			73-78	none
731703			73-78	none
731705			73-78	none
731715			73-78	none
731800		E	73-78	7318.1
731801		E	73-78	7318.1
732017			73-17	none
732018			73-17	none
732019			73-17	none
732050			73-17	none
732060			73-17	none
732061			73-17	none
732062			73-17	none
732065			73-17	none
732066			73-17	none
732067			73-17	none
732069			73-17	none
732071			73-17	none
732080			73-17	none
732081			73-17	none
732082			73-17	none
732085			73-17	none
732095			73-17	none
732130			73-17	none
732139			73-17	none
732142			73-17	none
732149			73-18	none
732163			73-17	none
732214			73-18	none
732215			73-19	none
732230			73-19	none
732233			73-19	none
732242			73-19	none
732251			73-19	none
732282			73-19	none
732305			73-19	none
732307			73-19	none
732309			73-19	none
732311			73-19	none
732313			73-19	none
732316			73-19	none
732317			73-19	none
732318			73-19	none
732527			73-11	7325.1
732528			73-11	7325.1
732574			73-11	7325.1
732575			73-11	7325.1
732576			73-11	7325.1
732577			73-11	7325.1
732578			73-11	7325.1
732579			73-11	7325.1
732580			73-11	7325.1
732581			73-11	7325.1
~~**732582**~~	C		73-11	
732596			73-11	7325.1
732597			73-11	7325.1
732598			73-11	7325.1
~~**732599**~~	C		73-11	
732600			73-11	7325.1
732601			73-11	7325.1
732607			73-11	7325.1
732608			73-11	7325.1
732609			73-11	7325.1
732610			73-11	7325.1
732611			73-11	7325.1
732612			73-11	7325.1
732613			73-11	7325.1
732625			73-11	7325.1
732629			73-11	7325.1
732634			73-11	7325.1
732639			73-11	7325.1
732646			73-11	7325.1
~~**732647**~~	C		73-11	
733011			73-23	7330.0
733014			73-23	7330.0
733041			73-23	7330.0
733042			73-23	7330.0
733054			73-23	7330.0
733055			73-23	7330.0
733060			73-23	7330.0
733061			73-23	7330.0
733082			73-23	none
733083			73-23	none
733084			73-23	none
733090			73-23	none
733099		E	73-23	7331.0

legend: E = exempt (free issue) C = canceled

stk no	C	E	cat pg	matl std
733115			73-23	none
733116			73-23	none
733120			73-26	none
733123			73-26	none
733125			73-22	7331.0
733129			73-22	7331.0
733132			73-22	7331.0
733135			73-22	7331.0
733136			73-22	7331.0
733137			73-22	7331.0
733138			73-22	7331.0
733139			73-22	7331.0
733140			73-22	7331.0
733141			73-22	7330.0
733142			73-22	7330.0
733143			73-22	7330.0
733144			73-22	7330.0
733146			73-26	none
~~733152~~	C		73-8	
733154			73-9	none
733156			73-9	none
~~733301~~	C		73-26	
~~733339~~	C		73-26	
~~733342~~	C		73-26	
733376			73-25	7333.0
733377			73-25	7333.0
733378			73-25	7333.0
733379			73-25	7333.0
733380			73-25	7333.0
733381			73-25	7333.0
733382			73-25	7333.0
733386			73-25	7333.0
733388			73-25	7333.0
733391			73-25	7333.0
733392			73-25	7333.0
733401			73-25	none
733402			73-25	none
733404			73-25	none
733408			73-25	none
733417			73-25	none
733421			73-25	none
733428			73-25	none
733429			73-25	none
733430			73-25	none
733432			73-25	none
733504			73-31	none
733505			73-31	none
~~733552~~	C		73-27	
~~733562~~	C		na	
733566			73-74	none
733567			73-74	none
733568			73-74	none
733569			73-12	none
733570			73-27	none
733571			73-27	none
733572			73-27	none
733573			73-27	none
733574			73-27	none
733575			73-27	none
733576			73-27	none
733611			73-26	7331.0
733636			73-27	none
733637			73-27	none
733736			73-31	none
733777			73-27	none
~~734334~~	C		73-13	
~~734336~~	C		73-13	
~~734344~~	C		73-13	
~~734346~~	C		73-13	
~~734348~~	C		73-13	
~~734349~~	C		73-62	
~~734350~~	C		73-62	
~~734376~~	C		73-13	
~~734378~~	C		73-62	
734468			73-14	none
734470			73-53	none
734480			73-53	none
734508			73-52	7015.05
~~734510~~	C		73-14	
734512			73-52	7015.05
734513			73-52	7015.05
734514			73-52	7015.05
734515			73-52	7015.05
734516			73-52	7015.05
734517			73-52	7015.05
734518			73-52	7015.05
734519			73-52	7015.05
734520			73-52	7015.05
734521			73-52	7015.05
734522			73-52	7015.05
734523			73-50	7015.05
734524			73-50	7015.05
734525			73-50	7015.05
734526			73-50	7015.05
734527			73-50	7015.05
734528			73-50	7015.05
734529			73-50	7015.05
734530			73-50	7015.05
734531			73-50	7015.05
734532			73-50	7015.05
734533			73-50	7015.05
734536			73-52	7015.05
734537			73-52	7015.05
734538			73-52	7015.05
734539			73-52	7015.05
734540			73-52	7015.05
734541			73-52	7015.05
734542			73-52	7015.05
734543			73-52	7015.05
734544			73-52	7015.05
734545			73-52	7015.05
734546			73-50	7015.05
734547			73-50	7015.05
734548			73-50	7015.05
734549			73-50	7015.05
734550			73-50	7015.05
734551			73-50	7015.05
734553			73-50	7015.05
734554			73-50	7015.05
734555			73-50	7015.05
734557			73-50	7015.05
734558			73-50	7015.05
734559			73-50	7015.05
734560			73-50	7015.05
734561			73-50	7015.05
734562			73-50	7015.05
734563			73-50	7015.05
734564			73-50	7015.05
734565			73-53	7345.7
734566			73-50	7015.05
734567			73-18	none
734568			73-50	7015.05
734569			73-18	none
734571			73-18	none
734572			73-18	none
734669		E	73-78	7346.8
734670		E	73-78	7346.8
734671			73-50	7015.05
734680		E	73-78	7346.8
734690		E	73-78	7346.8
734692		E	73-78	7346.8
734740			73-70	7050.05
734741			73-70	7050.05
734742			73-70	7050.05
734743			73-70	7050.05
734744			73-70	7050.05
734745			73-70	7050.05
734747			73-70	7050.05
734751			73-65	7343.5
734752			73-65	7343.5
734753			73-65	7343.5
734754			73-65	7343.5
734755			73-65	7343.5
734756			73-65	7343.5
734757			73-65	7343.5

legend: E = exempt (free issue) C = canceled

stk no	C	E	cat pg	matl std
734758			73-65	7343.5
734759			73-65	7343.5
734765			73-65	7343.5
734766			73-65	7343.5
734767			73-65	7343.5
734768			73-65	7343.5
734769			73-65	7343.5
734770			73-65	7343.5
734771			73-65	7343.5
734772			73-65	7343.5
734804			73-70	7050.05
734805			73-70	7050.05
734806			73-70	7050.05
734808			73-70	7050.05
734809			73-70	7050.05
734810			73-70	7050.05
734820			73-70	7050.05
734821			73-70	7050.05
734822			73-70	7050.05
734823			73-70	7050.05
734824			73-70	7050.05
734826			73-70	7050.05
~~734845~~	C		73-62	none
734850			73-60	none
~~734855~~	C		73-62	none
~~734865~~	C		73-62	none
734868			73-72	7050.05
734869			73-72	7050.05
734870			73-72	7050.05
734871			73-72	7050.05
734872			73-72	7050.05
734873			73-72	7050.05
734874			73-72	7050.05
734880			73-5	7030.05
734881			73-5	7030.05
734882			73-5	7030.05
734895			73-8	none
734896			73-8	none
734897			73-8	none
734914			73-52	7015.05
734918			73-52	7015.05
734920			73-52	7015.05
734921			73-52	7015.05
734923			73-52	7015.05
734924			73-52	7015.05
734925			73-52	7015.05
734926			73-52	7015.05
734938			73-78	7345.7
734940			73-78	7345.7
734942			73-78	7345.7
734943			73-78	7345.7
734944			73-53	7345.7
734946			73-53	7345.7
734947			73-53	7345.7
734948			73-53	7345.7
734949			73-53	7345.7
735214			73-39	none
735217			73-39	none
735221			73-39	none
735283		E	73-39	none
735361			73-39	7353.6
735363			73-39	7353.6
735800		E	73-40	none
735801			73-40	none
735802			73-40	none
735804		E	73-40	7358.1
735805		E	73-40	7358.1
735806		E	73-40	7358.1
735807		E	73-40	7358.1
735809		E	73-40	7358.1
735810		E	73-40	7358.1
735811		E	73-40	7358.1
735812		E	73-40	7358.1
735814		E	73-40	none
735815		E	73-40	none
735820			73-40	none
735850			73-40	none
735852			73-40	none
736162			73-34	7361.9
736166			73-34	7361.9
736170			73-34	7361.9
736243			73-34	7362.2
736244			73-34	7362.2
736245			73-34	none
736400		E	73-33	7364.0
736401			73-33	7364.0
736415			73-33	7364.0
736470		E	73-33	7364.70
~~736500~~	C		73-34	~~7365~~
~~736501~~	C		73-34	~~7365~~
~~736502~~	C		73-34	~~7365~~
736503			73-34	7365.3
736504			73-34	7365.3
736505			73-34	7365.3
736512			73-34	none
736525			73-33	7365.20
736527			73-33	7365.20
736632		E	73-34	none
736644		E	73-33	7366.0
736650		E	73-33	7366.0
736655		E	73-33	7366.5
736656		E	73-33	7366.5
736670		E	73-34	7366.6
736671			73-34	7366.6
736682			73-34	none
736684			73-34	none
736690		E	75-3	none
736702			72-18	7367.1
736704			72-18	7367.1
736710			72-18	7367.1
736715			72-18	none
736730			73-33	7367.3
736745			73-40	none
736750			73-33	none
736775		E	73-33	7367.5
736776		E	73-33	7367.5
736777		E	73-33	7367.5
736778		E	73-33	7367.5
736779		E	73-33	7367.5
736780		E	73-33	7367.5
736781		E	73-33	7367.5
736784			73-33	none
~~736785~~			70-5	none
736800			70-51	none
736900			70-51	none
			73-40	
737100			73-39	none
737101			73-39	none
737450		E	73-36	7374.75
737451			73-36	7374.75
737452		E	73-36	7374.75
737453			73-36	7374.75
737455		E	73-36	7374.75
737456		E	73-36	7374.75
737457			73-37	none
737475		E	73-37	7374.85
737477		E	73-37	7374.85
737479		E	73-37	7374.85
737481		E	73-37	7374.85
737483		E	73-37	7374.85
737485		E	73-37	7374.85
737513			73-37	7374.80
737517			73-37	7374.80
~~737518~~	C		73-37	~~7374.5~~
737520			73-37	7374.80
737530			70-52	none
737531			70-52	none
737532			70-52	none
737533			70-52	none
737541			70-52	none
737542			70-52	none
737543			70-52	none

legend: E = exempt (free issue) C = canceled

stk no	C	E	cat pg	matl std
737601			73-36	7374.75
737602			73-36	7374.75
737603			73-36	7374.75
737604			73-36	7374.75
737620			73-37	none
737621			73-37	none
737622			73-36	7374.70
737623			73-36	7374.70
738365			20-3	none
738380			50-45	none
738740			73-56	7020.05
738741			73-56	7020.05
738742			73-56	7020.05
738743			73-56	7020.05
738744			73-56	7020.05
738745			73-56	7020.05
738746			73-56	7020.05
739290			70-33	7392.8
739404			70-33	none
739405			70-33	none
739406			70-33	none
739407			70-33	none
739408			70-33	none
739409			70-33	none
739410			70-33	none
~~739411~~	C		70-33	none
~~740062~~	C		na	7400.9
~~740064~~	C		na	7400.9
740332			74-1	7403.4
~~740955~~	C		na	7409.7
~~740960~~	C		na	7409.7
~~740965~~	C		na	7409.7
~~740970~~	C		na	7409.7
~~740975~~	C		na	7409.7
~~741617~~	C		na	
~~741632~~	C		na	
~~741655~~	C		na	
~~741659~~	C		na	
~~741691~~	C		na	
~~741705~~	C		na	
~~741707~~	C		na	
~~741770~~	C		na	
~~743310~~	C		na	
~~743316~~	C		na	
~~743318~~	C		na	
~~743327~~	C		na	
~~743516~~	C		na	

stk no	C	E	cat pg	matl std
743671			74-1	none
745074			71-10	none
745801			71-2	none
746818			74-1	none
746822			74-1	none
746826			74-1	none
750010			65-8	none
750012			65-8	none
750015			65-8	none
750016			65-8	none
750500			75-1	none
752100			75-1	none
752116			75-1	none
753100			75-2	7531.0
755100			76-12	none
755200			76-12	none
755300			76-12	none
755400			76-12	none
755500			76-12	none
756100			76-13	none
756101			76-13	none
756102			76-13	none
756103			76-13	none
756104			76-13	none
756105			76-13	none
756106			76-13	none
756107			76-13	none
756108			76-13	none
756109			76-13	none
~~756110~~	C		76-13	
756111			76-13	none
756112			76-13	none
756113			76-13	none
756114			76-13	none
760022			76-42	none
~~760024~~	C		76-42	none
760026			76-42	none
760148			76-1	7601.1
760153			76-1	7601.3
760154			76-1	7601.3
760165			76-1	none
760175			76-45	none
760185			76-21	none
760186			76-21	none

stk no	C	E	cat pg	matl std
760187			76-21	none
760189			76-21	none
760190			76-21	none
760191			76-21	none
760192			76-21	none
760194			76-21	none
760352			76-28	none
760356			76-28	none
760360			76-28	none
760362			76-28	none
~~760415~~	C		76-28	none
760460			76-38	none
760465			76-38	none
760480			76-38	7604.6
760505			76-32	none
760554			76-28	none
760555			76-28	none
760556			76-28	none
760557			76-28	none
760558			76-28	none
760559			76-28	none
760560			76-28	none
760562			76-28	none
760563			76-28	none
760564			76-28	none
760570			76-4	none
760571			76-4	none
760572			76-4	none
760578			76-4	none
760579			76-4	none
760580			76-4	none
760581			76-4	none
760582			76-4	none
760583			76-4	none
760584			76-4	none
760586			76-4	none
760587			76-4	none
760588			76-4	none
760589			76-4	none
760590			76-4	none
760591			76-4	none
760592			76-4	none
760593			76-4	none
760594			76-4	none
760595			76-4	none
760605			76-28	none
760620			76-40	none
760625			76-41	none
760635			76-47	none
760643			76-47	none
760644			76-47	none
760645			76-47	none

legend: E = exempt (free issue) C = canceled

stk no	C	E	cat pg	matl std
760646			76-47	none
~~760648~~	C		76-47	none
760650			76-47	none
760655			76-47	none
760660			76-47	none
760665			76-47	none
760667			76-47	none
760669			76-47	none
760675			76-47	none
760681			76-47	none
760682			76-47	none
760684			76-47	none
~~760687~~	C		76-47	none
~~760695~~	C		76-47	
760720			76-47	none
760722			76-47	none
~~760732~~	C		76-47	
760735			76-1	7607.1
760740			76-47	none
~~760775~~	C		76-21	
760880			76-36	none
~~760885~~	C		76-21	none
~~760889~~	C		76-21	none
760902			76-38	none
760904			76-38	none
760906			76-38	none
760908			76-38	none
760910			76-38	none
760912			76-38	none
760920			76-45	none
~~760930~~	C		76-6	
760931			76-6	7609.30
~~760932~~	C		76-6	none
761125			76-11	7611.10
761150			76-10	none
761152			76-10	none
761154			76-10	none
761161			76-12	none
761162			76-12	none
761163			76-12	none
761164			76-12	none
761165			76-12	none
761166			76-9	none
761167			76-12	none
761168			76-12	none
761170			76-12	none
761171			76-10	none
761172			76-12	none
761173			76-10	none
761174			76-10	none
761176			76-10	none

stk no	C	E	cat pg	matl std
761177			76-10	none
761178			76-10	none
761180			76-10	none
761181			76-10	none
761195			76-12	none
761216			76-1	none
761221			76-1	none
761227			76-1	none
761233			76-45	none
761352			77-8	none
761353			77-8	none
761355		E	56-11	none
761364			76-27	none
761392			76-27	none
761393			76-27	none
761504			76-27	7615.1
761505			76-27	7615.1
761506			76-27	7615.1
761507			76-27	7615.1
761508			76-27	7615.1
761509			76-27	7615.1
761510			76-27	7615.1
761511			76-27	7615.1
761512			76-27	7615.1
761513			76-27	7615.1
761514			76-27	7615.1
761515			76-27	7615.1
761516			76-27	7615.1
761517			76-27	7615.1
761518			76-27	7615.1
761519			76-27	7615.1
761520			76-27	7615.1
761521			76-27	7615.1
761522			76-27	7615.1
761523			76-27	7615.1
761524			76-27	7615.1
761525			76-27	7615.1
761526			76-27	7615.1
761527			76-27	7615.1
761528			76-27	7615.1
761529			76-27	7615.1
761530			76-27	7615.1
761531			76-27	7615.1
761532			76-27	7615.1
761533			76-27	7615.1
761535			76-27	7615.1
761588			76-27	none
761601			76-27	7616.1
761602			76-27	7616.1
761603			76-27	7616.1
761604			76-27	7616.1
761605			76-27	7616.1

stk no	C	E	cat pg	matl std
761606			76-27	7616.1
761607			76-27	7616.1
761608			76-27	7616.1
761609			76-27	7616.1
761610			76-27	7616.1
761611			76-27	7616.1
761612			76-27	7616.1
761613			76-27	7616.1
761614			76-27	7616.1
761615			76-27	7616.1
761616			76-27	7616.1
761617			76-27	7616.1
761618			76-27	7616.1
761619			76-27	7616.1
761620			76-27	7616.1
761621			76-27	7616.1
761622			76-27	7616.1
761623			76-27	7616.1
761624			76-27	7616.1
761625			76-27	7616.1
761626			76-27	7616.1
761627			76-27	7616.1
761628			76-27	7616.1
761629			76-27	7616.1
761630			76-27	7616.1
761631			76-27	7616.1
761632			76-27	7616.1
761633			76-27	7616.1
761634			76-27	7616.1
761635			76-27	7616.1
761636			76-27	7616.1
761637			76-27	7616.1
761638			76-27	7616.1
761639			76-27	7616.1
761640			76-27	7616.1
761641			76-27	7616.1
761642			76-27	7616.1
761643			76-27	7616.1
761644			76-27	7616.1
761645			76-27	7616.1
761646			76-27	7616.1
761647			76-27	7616.1
761648			76-27	7616.1
761649			76-27	7616.1
761650			76-27	7616.1
761651			76-27	7616.1
761652			76-27	7616.1
761653			76-27	7616.1
761654			76-27	7616.1
761655			76-27	7616.1
761656			76-27	7616.1
761657			76-27	7616.1

legend: E = exempt (free issue) C = canceled

stk no	C	E	cat pg	matl std
761658			76-27	7616.1
761659			76-27	7616.1
761660			76-27	7616.1
761665			76-27	7616.1
761681			76-27	none
761684			76-27	none
761687			76-27	none
761750			73-26	7331.0
761755			73-26	7331.0
761760			73-26	7331.0
761765			73-26	7331.0
761770			73-26	7331.0
761948			76-35	none
761952			76-34	none
761955			76-34	none
761972			76-35	none
761975			76-35	none
761982			76-35	none
761984			76-35	none
761985			76-35	none
762000			76-34	none
762001			76-34	none
762002			76-34	none
762003			76-34	none
762004			76-34	none
762005			76-34	none
762011			76-34	none
762013			76-34	none
762014			76-34	none
762021			76-34	none
762022			76-34	none
762023			76-34	none
762024			76-34	none
~~**762025**~~	C		76-34	
762033			76-35	none
762034			76-35	none
762050			76-34	none
762051			76-34	none
762052			76-34	none
762053			76-34	none
762054			76-34	none
762055			76-34	none
762064			76-34	none
762073			76-34	none
762074			76-34	none
762081			76-34	none
762103			76-35	none
762104			76-35	none
762106			76-35	none
762107			76-35	none
762108			76-35	none

stk no	C	E	cat pg	matl std
762109			76-35	none
762116			76-35	none
762142			76-35	none
762143			76-35	none
762144			76-35	none
762145			76-35	none
762146			76-35	none
762147			76-35	none
762153			76-35	none
762154			76-35	none
762156			76-35	none
762163			76-35	none
762164			76-35	none
762172			76-35	none
762173			76-35	none
762174			76-35	none
762212			76-35	none
762213			76-35	none
762214			76-35	none
762216			76-35	none
762217			76-35	none
762222			76-35	none
762223			76-35	none
762224			76-35	none
762225			76-35	none
762226			76-35	none
762264			76-35	none
762274			76-35	none
762280			76-49	none
762405			76-10	none
762407			76-10	7624.10
762408			76-10	7224.11
762409			76-10	7224.11
762410			76-11	none
762415			76-40	none
762420			76-38	none
762428			77-2	none
~~**762431**~~	C		76-6	none
~~**762435**~~	C		76-6	none
762437			76-6	none
762439			76-6	none
762450			76-6	none
762855			76-42	none
762890			76-42	none
762892			76-42	none
762910			76-42	none
762920			76-42	none
763302			76-3	none
763325			76-3	none
763326			76-3	none
763327			76-3	none

stk no	C	E	cat pg	matl std
763330			76-3	7633.3
~~**763332**~~	C		76-3	none
~~**763336**~~	C		76-3	7633.3
763338			11-86	7634.61
763339			11-86	7634.61
763340			11-86	7634.61
763342			11-86	7634.61
763344			11-86	7634.61
763346			11-86	7634.61
763348			11-86	7634.61
763350			11-88	7634.21
763351			11-88	7634.21
763352			11-88	7634.21
763353			11-88	7634.21
763354			11-88	7634.21
763355			11-88	7634.21
763356			11-88	7634.21
763357			11-88	7634.21
763359			11-86	7634.60
763360			11-86	7634.60
763362			11-86	7634.60
763364			11-86	7634.60
763366			11-86	7634.60
763368			11-86	7634.60
763373			11-88	7634.20
763374			11-88	7634.20
763375			11-88	7634.20
763376			11-88	7634.20
763377			11-88	7634.20
763379			11-88	7634.20
763380			11-88	7634.20
763400			11-12	none
763470			76-23	none
763480			76-2	none
763482			76-2	none
763483			76-2	none
763485			76-2	none
763488			76-2	none
763489			76-2	none
763490			76-2	none
763492			76-2	none
763495			76-2	none
763497			76-2	none
763499			76-2	none
763543			70-43	none
763545			70-43	none
763546			70-43	none
763547			70-43	none
763548			70-43	none
763549			70-43	none
763550			70-43	none
763551			70-43	none

legend: E = exempt (free issue) C = canceled

stk no	C	E	cat pg	matl std
763554			70-43	none
763555			70-43	none
763556			70-43	none
763560			70-43	none
763830			76-23	7638.1
763840			76-23	7638.1
763842			76-23	7638.1
763845			76-23	7638.1
763850			76-23	7638.1
763852			76-23	7638.1
763860			76-23	7638.1
763870			76-23	7638.1
763899			77-1	none
763900			77-1	none
763905			76-36	none
763906			76-36	none
763907			76-36	none
763908			76-36	none
763955			76-42	7638.2
~~763985~~	C		72-12	none
764041			76-2	none
764042			76-2	none
764043			76-2	none
764046			76-2	none
764050			76-43	none
764080			76-40	none
764110			76-1	none
764120			76-1	none
764145			76-1	none
764190			76-27	none
764210			76-40	none
764215			76-45	none
764220			76-1	none
764221			76-1	none
764225			76-45	none
~~764308~~	C		76-6	
~~764310~~	C		76-6	
~~764312~~	C		76-6	
~~764338~~	C		76-21	
764360			76-32	none
764377			76-21	none
764378			76-21	none
764380			76-40	none
764425			76-42	none
764435			76-23	7638.1
764662			76-49	none
764667			76-49	none
764688			76-49	none
764689			76-49	none
764709			77-1	none
764715			77-2	none

stk no	C	E	cat pg	matl std
764718			76-42	none
764725			76-42	none
764745			76-23	none
764747			76-23	none
764749			76-23	none
764764			76-23	none
764772			76-23	none
764773			76-23	none
764807			76-19	none
764810			76-45	none
764840			76-38	none
764998			76-32	none
764999			76-32	none
765015			76-45	none
765110			76-23	none
765112			76-23	none
765116			76-23	none
765118			76-23	none
765120			76-23	none
765127			76-23	none
765129			76-23	none
765131			76-23	none
765133			76-23	none
765162			76-42	none
765164			76-42	none
765170			76-42	none
~~765172~~	C		76-42	none
765181			76-8	7651.10
765182			76-8	none
765186			76-10	7651.8
765188			76-10	none
765194			76-8	none
765195			76-8	7651.9
765201			76-8	none
765205		E	76-1	none
765206			76-8	none
765207			76-8	7652.5
765208			76-8	none
765209			76-8	none
765210			76-8	7652.4
765211			76-8	none
765212			76-8	7652.0
765220		E	76-1	none
765230			76-38	none
765255		E	76-9	none
765263			76-25	none
765264			76-25	none
765265			76-25	none
765267			76-25	none
765268			76-25	none
765276			76-25	none

stk no	C	E	cat pg	matl std
765277			76-25	none
765278			76-25	none
765279			76-25	none
765280			76-25	none
765281			76-25	none
765282			76-25	none
765283			76-25	none
765284			76-25	none
765285			76-25	none
765286			76-25	none
765287			76-25	none
765289			76-25	none
765294			76-25	none
765295			76-25	none
765296			76-25	none
765297			76-25	none
765299			76-25	none
765300			76-25	none
765301			76-25	none
765303			76-25	none
765304			76-25	none
765305			76-25	none
765306			76-25	none
765307			76-25	none
~~765320~~	C		76-6	none
~~765321~~	C		76-6	none
765345			76-32	none
765350			77-2	none
765365			72-7	none
765375			72-7	none
765410		E	76-1	none
765420			76-5	7654.5
765424			76-5	7654.5
765428			76-5	7654.5
765432			76-5	7654.5
765434			76-5	7654.5
765440			76-5	7654.5
765454			76-5	7654.5
765458			76-5	7654.5
765462			76-5	7654.5
765464			76-5	7654.5
765470			76-5	7654.5
765480			76-5	7654.80
765484			76-5	7654.80
765485			76-5	7654.80
765486			76-5	7654.80
765488			76-5	7654.80
765490			76-5	7654.80
765492			76-5	7654.80
765505			76-30	none
765507			76-30	none
765508			76-30	none

legend: E = exempt (free issue) C = canceled

stk no	C	E	cat pg	matl std
765509			76-30	none
765510			76-30	none
765511			76-30	none
765512			76-30	none
765515			76-30	none
765525			76-30	none
765526			76-30	none
765527			76-30	none
765528			76-30	none
765529			76-30	none
765530			76-30	none
765531			76-30	none
765532			76-30	none
765547			76-30	none
765548			76-30	none
765549			76-30	none
765550			76-30	none
765551			76-30	none
765552			76-30	none
765601			76-30	none
765602			76-30	none
765603			76-30	none
765604			76-30	none
765605			76-30	none
765607			76-30	none
765608			76-30	none
765621			76-30	none
765622			76-30	none
765623			76-30	none
765624			76-30	none
765625			76-30	none
765627			76-30	none
765628			76-30	none
765629			76-30	none
765641			76-30	none
765642			76-30	none
765643			76-30	none
765644			76-30	none
765645			76-30	none
765647			76-30	none
765648			76-30	none
765661			76-30	none
765662			76-30	none
765663			76-30	none
765664			76-30	none
765666			76-30	none
765681			76-30	none
765682			76-30	none
765683			76-30	none
765684			76-30	none
765685			76-30	none
765686			76-30	none

stk no	C	E	cat pg	matl std
765701			76-30	none
765702			76-30	none
765703			76-30	none
765704			76-30	none
765720			76-30	none
765721			76-30	none
765722			76-30	none
765723			76-30	none
765724			76-30	none
765725			76-30	none
765805			76-32	none
765806			76-32	none
765815			76-32	none
765825			76-32	none
765830			72-18	none
765835			72-18	none
765845			70-36	none
765850			76-19	none
765860			76-19	none
~~765862~~	C		70-38	
~~765864~~	C		70-38	none
~~765866~~	C		70-38	none
765872			70-38	6850.00
765877			76-40	none
765878			76-40	none
765879			76-40	none
765886			76-17	7658.5
765887			76-17	7658.5
765893			76-40	none
765894			76-40	none
765895			76-40	none
765896			76-40	none
765897			76-40	none
765905			76-12	none
765910			76-12	none
765920			76-12	none
~~766001~~	C		76-16	
~~766002~~	C		76-16	
~~766003~~	C		76-16	
~~766004~~	C		76-16	
~~766005~~	C		76-16	
~~766006~~	C		76-16	
~~766007~~	C		76-16	
~~766008~~	C		76-16	
~~766009~~	C		76-16	
~~766010~~	C		76-16	
~~766011~~	C		76-16	
~~766012~~	C		76-16	
~~766013~~	C		76-16	
~~766014~~	C		76-16	
~~766015~~	C		76-16	

stk no	C	E	cat pg	matl std
~~766016~~	C		76-16	
~~766018~~	C		76-16	
~~766023~~	C		76-16	
~~766024~~	C		76-16	
~~766025~~	C		76-16	
~~766026~~	C		76-16	
~~766029~~	C		76-16	
~~766031~~	C		76-16	
~~766032~~	C		76-16	
~~766033~~	C		76-16	
~~766035~~	C		76-16	
~~766037~~	C		76-16	
~~766041~~	C		76-16	
~~766042~~	C		76-16	
~~766043~~	C		76-16	
~~766044~~	C		76-16	
~~766045~~	C		76-16	
~~766046~~	C		76-16	
~~766047~~	C		76-16	
~~766048~~	C		76-16	
~~766049~~	C		76-16	
~~766050~~	C		76-16	
~~766051~~	C		76-16	
~~766052~~	C		76-16	
~~766053~~	C		76-16	
~~766054~~	C		76-16	
~~766055~~	C		76-16	
~~766056~~	C		76-16	
~~766058~~	C		76-16	
~~766062~~	C		76-16	
~~766063~~	C		76-16	
~~766064~~	C		76-16	
~~766065~~	C		76-16	
~~766066~~	C		76-16	
~~766069~~	C		76-16	
~~766071~~	C		76-16	
~~766072~~	C		76-16	
~~766073~~	C		76-16	
~~766075~~	C		76-16	
~~766077~~	C		76-16	
766140			76-25	none
766145			76-25	none
766150			76-25	none
766155			76-25	none
766160			76-25	none
766162			76-25	none
766175			76-25	none
766180			76-25	none
766185			76-25	none
766190			76-25	none
766205		E	76-25	none
766206		E	76-25	none

legend: E = exempt (free issue) C = canceled

stk no	C	E	cat pg	matl std
766207		E	76-25	none
766208		E	76-25	none
766209		E	76-25	none
766210		E	76-25	none
766211		E	76-25	none
766215		E	76-25	none
766300			76-16	7650.07
766310			76-16	7650.07
766311			76-16	7650.07
766312			76-16	7650.07
766313			76-16	7650.07
766314			76-16	7650.07
766315			76-16	7650.07
766316			76-16	7650.07
766317			76-16	7650.07
766318			76-16	7650.07
766319			76-16	7650.07
766320			76-16	7650.07
766321			76-16	7650.07
766322			76-16	7650.07
766323			76-16	7650.07
766324			76-16	7650.07
766325			76-16	7650.07
766326			76-16	7650.07
766327			76-16	7650.07
766328			76-16	7650.07
766329			76-16	7650.07
766330			76-16	7650.07
766331			76-16	7650.07
766332			76-16	7650.07
766333			76-16	7650.07
766334			76-16	7650.07
766335			76-16	7650.07
775004			77-4	none
775010			77-2	none
775015			77-2	none
775025			77-4	none
775205			77-1	none
775215			77-1	none
775216			77-1	none
775217			77-1	none
775218			77-1	none
775221			77-1	none
775226			77-1	none
775227			77-1	none
775230			77-1	none
775235			77-1	none
775240			77-1	none
775245			77-1	none
775247			77-1	none
775250			77-1	none

stk no	C	E	cat pg	matl std
775283			77-1	none
775284			77-1	none
775448			77-4	none
775450			77-4	none
775452			77-4	none
~~775453~~	C		77-4	none
775454			77-4	none
775455			77-4	none
775456			11-12	none
775457			77-4	none
~~775458~~	C		77-4	none
~~775459~~	C		77-4	none
775460			77-4	none
775470			77-4	none
775485			77-4	none
775490			77-4	none
775495			77-4	none
775498			77-4	none
775499			77-4	none
775501			77-4	none
775502			77-4	none
775524			77-4	none
775525			77-4	none
775526			77-4	none
~~775527~~	C		77-4	none
775580			77-8	none
775590			77-8	none
775594			77-8	none
775600			77-6	none
775630			77-2	none
776300			77-1	none
776305			77-1	none
776306			77-1	none
776755			77-6	none
776925			77-8	none
776940			77-8	none
776941			77-8	none
776944			77-8	none
776960			77-6	none
~~777203~~	C		77-8	
~~777205~~	C		77-8	
~~777209~~	C		77-8	
777210			77-8	none
~~777211~~	C		77-8	
777360			77-4	none
777365			77-4	none
777380			77-2	none
777425			77-2	none
~~777608~~	C		77-8	none
~~777609~~	C		77-8	none

stk no	C	E	cat pg	matl std
775283			77-1	none
777626			77-8	none
777627			77-8	none
777641			76-12	none
777642			77-8	none
777646			77-8	none
777856			77-6	none
777910			72-7	none
777920			72-7	none
777930			72-7	none
780010		E	78-4	none
780022		E	78-3	7800.9
780023		E	78-3	7800.9
780024		E	78-3	7800.9
780030		E	78-2	none
780032			78-3	7800.9
780033			78-3	7800.9
780034			78-3	7800.9
780048		E	78-26	none
780049		E	78-26	none
780050		E	78-26	none
780060		E	78-2	none
780062		E	78-2	none
780064		E	78-2	none
780071		E	78-2	7800.7
780072		E	78-2	7800.7
780074		E	78-2	7800.7
780075		E	78-2	7800.7
780076		E	78-2	7800.7
780078		E	78-2	7800.7
780091		E	78-3	7800.9
780092		E	78-3	7800.9
780095		E	78-3	7800.9
780103		E	78-3	7800.9
780104		E	78-3	7800.9
780105		E	78-3	7800.9
780111		E	78-3	7800.9
780113		E	78-3	7800.9
780115		E	78-3	7800.9
780127			70-45	none
780131			78-4	7801.4
780132			78-4	7801.4
780136			78-4	7801.4
780137			78-4	7801.4
780141			78-3	7800.9
780143			78-3	7800.9
780145			78-3	7800.9
780146			78-4	7801.4
780147			78-3	7800.9
780148			78-4	7801.4
780434		E	78-20	7804.1

legend: E = exempt (free issue) C = canceled

stk no	C	E	cat pg	matl std
780436		E	78-20	7804.1
780438		E	78-20	7804.1
780440		E	78-20	7804.1
780441		E	78-20	7804.1
780442		E	78-20	7804.1
780443		E	78-20	7804.1
780445		E	78-20	7804.1
780468		E	78-20	7804.1
780471		E	78-20	7804.1
780492		E	78-20	7804.1
780494		E	78-20	7804.1
780496		E	78-20	7804.1
780498		E	78-20	7804.1
780500		E	78-20	7804.1
780501		E	78-20	7804.1
780502		E	78-20	7804.1
780503		E	78-20	7804.1
780504		E	78-20	7804.1
780505		E	78-20	7804.1
780506		E	78-20	7804.1
780507		E	78-20	7804.1
780510		E	78-20	7804.1
780524		E	78-20	7804.1
780530		E	78-20	7804.1
780533		E	78-20	7804.1
780534		E	78-20	7804.1
~~780711~~	C		78-19	
780794		E	78-19	7807.1
780796		E	78-19	7807.1
780800		E	78-19	7807.1
780803		E	78-19	7807.1
780804		E	78-19	7807.1
780805		E	78-19	7807.1
780806		E	78-19	7807.1
780808		E	78-19	7807.1
780810		E	78-19	7807.1
780812		E	78-19	7807.1
780814		E	78-19	7807.1
780815		E	78-19	7807.1
780816		E	78-19	7807.1
780817		E	78-19	7807.1
780818		E	78-19	7807.1
780827		E	78-19	7807.1
780828		E	78-19	7807.1
780831		E	78-19	7807.1
780834		E	78-19	7807.1
780836		E	78-19	7807.1
780838		E	78-19	7807.1
780840		E	78-19	7807.1
780844		E	78-19	7807.1
780845		E	78-19	7807.1
780846		E	78-19	7807.1

stk no	C	E	cat pg	matl std
780847		E	78-19	7807.1
780848		E	78-19	7807.1
780849		E	78-19	7807.1
780850		E	78-19	7807.1
780875		E	78-19	7807.1
780876		E	78-19	7807.1
780877		E	78-19	7807.1
780878		E	78-19	7807.1
780879		E	78-19	7807.1
780880		E	78-19	7807.1
780998			78-26	none
780999			78-26	none
781000			78-26	none
781040		E	78-19	7807.1
781046		E	78-19	7807.1
781070		E	78-19	7807.1
781072		E	78-19	7807.1
781809			78-12	7846.10
781813			78-12	7846.10
781815			78-12	7846.10
781817			78-12	7846.10
781819			78-12	7846.10
782040			78-12	7820.0
782041			78-12	7820.0
782042			78-12	7820.0
782050			78-12	7820.0
782051			78-12	7820.0
782052			78-12	7820.0
782053			78-12	7820.0
782286			78-5	none
782338			78-5	none
782340			78-5	none
782415			78-5	none
782416			78-5	none
782420			78-5	none
782426			78-5	none
~~782483~~	C		78-5	none
782982		E	78-21	7829.9
782983		E	78-21	7829.9
782984		E	78-21	7829.9
782986		E	78-21	7829.9
782989		E	78-21	7829.9
783076		E	78-21	7829.9
783078		E	78-21	7829.9
783079		E	78-21	7829.9
783114		E	78-21	7829.9
783116		E	78-21	7829.9
783118		E	78-21	7829.9
783119		E	78-21	7829.9

stk no	C	E	cat pg	matl std
783121		E	78-21	7829.9
783222		E	78-21	none
783225		E	78-21	none
783226		E	78-21	none
783227		E	78-21	none
783228		E	78-21	none
783229		E	78-21	none
783231		E	78-21	none
783262		E	78-21	none
783265		E	78-21	none
783266		E	78-21	none
783267		E	78-21	none
783268		E	78-21	none
783269		E	78-21	none
783302		E	78-21	none
783303		E	78-21	none
783311		E	78-21	none
783321		E	78-21	7833.3
783322		E	78-21	7833.3
783323		E	78-21	7833.3
783325		E	78-21	7833.3
783326		E	78-21	7833.3
783327		E	78-21	7833.3
783376		E	78-22	none
783477			78-22	none
783558			78-12	7846.15
783560			78-12	7846.15
784440			78-15	none
784503		E	78-18	7845.1
784505		E	78-18	7845.1
784506		E	78-18	7845.1
784509		E	78-18	7845.1
784511		E	78-18	7845.1
784523		E	78-18	7845.1
784525		E	78-18	7845.1
784529		E	78-18	7845.1
784531		E	78-18	7845.1
784533		E	78-18	7845.1
784543		E	78-18	7845.1
784545		E	78-18	7845.1
784546		E	78-18	7845.1
784547		E	78-18	7845.1
784548		E	78-18	7845.1
784549		E	78-18	7845.1
784550		E	78-18	7845.1
784551		E	78-18	7845.1
784585		E	78-18	7845.1
784586		E	78-18	7845.1
784587		E	78-18	7845.1
784588		E	78-18	7845.1
784589		E	78-18	7845.1

legend: E = exempt (free issue) C = canceled

stk no	C	E	cat pg	matl std
784590		E	78-18	7845.1
784591		E	78-18	7845.1
784593		E	78-18	7845.1
784595		E	78-18	7845.1
784605		E	78-18	7845.1
784607		E	78-18	7845.1
784609		E	78-18	7845.1
784627		E	78-18	7845.1
784629		E	78-18	7845.1
784701		E	78-17	7847.1
784703		E	78-17	7847.1
784705		E	78-17	7847.1
784706		E	78-17	7847.1
784707		E	78-17	7847.1
784708		E	78-17	7847.1
784709		E	78-17	7847.1
784710		E	78-17	7847.1
784711		E	78-17	7847.1
784712		E	78-17	7847.1
784713		E	78-17	7847.1
784717		E	78-17	7847.1
784731		E	78-17	7847.1
784733		E	78-17	7847.1
784735		E	78-17	7847.1
784736		E	78-17	7847.1
784737		E	78-17	7847.1
784738		E	78-17	7847.1
784739		E	78-17	7847.1
784740		E	78-17	7847.1
784741		E	78-17	7847.1
784742		E	78-17	7847.1
784743		E	78-17	7847.1
784763		E	78-17	7847.1
784765		E	78-17	7847.1
784766		E	78-17	7847.1
784767		E	78-17	7847.1
784768		E	78-17	7847.1
784769		E	78-17	7847.1
784770		E	78-17	7847.1
784771		E	78-17	7847.1
784772		E	78-17	7847.1
784773		E	78-17	7847.1
784775		E	78-17	7847.1
784795		E	78-17	7847.1
784796		E	78-17	7847.1
784797		E	78-17	7847.1
784799		E	78-17	7847.1
784823		E	78-17	7847.1
784825		E	78-17	7847.1
784826		E	78-17	7847.1
784827		E	78-17	7847.1
784828		E	78-17	7847.1

stk no	C	E	cat pg	matl std
784829		E	78-17	7847.1
784830		E	78-17	7847.1
784831		E	78-17	7847.1
784832		E	78-17	7847.1
784833		E	78-17	7847.1
784834		E	78-17	7847.1
784835		E	78-17	7847.1
784837		E	78-17	7847.1
784841		E	78-17	7847.1
784885		E	78-17	7847.1
784886		E	78-17	7847.1
784887		E	78-17	7847.1
784888		E	78-17	7847.1
784889		E	78-17	7847.1
784890		E	78-17	7847.1
784891		E	78-17	7847.1
784892		E	78-17	7847.1
784893		E	78-17	7847.1
784895		E	78-17	7847.1
784897		E	78-17	7847.1
784917		E	78-17	7847.1
784918		E	78-17	7847.1
784919		E	78-17	7847.1
784921		E	78-17	7847.1
784922		E	78-17	7847.1
784923		E	78-17	7847.1
784925		E	78-17	7847.1
784927		E	78-17	7847.1
785210		E	78-10	7852.1
785211		E	78-10	7852.1
785212		E	78-10	7852.1
785213		E	78-10	7852.1
785214		E	78-10	7852.1
785215		E	78-10	7852.1
785216		E	78-10	7852.1
785226		E	78-10	7852.1
785227		E	78-10	7852.1
785229		E	78-10	7852.1
785241		E	78-10	7852.1
785242		E	78-10	7852.1
785243		E	78-10	7852.1
785244		E	78-10	7852.1
785245		E	78-10	7852.1
785246		E	78-10	7852.1
785259		E	78-10	7852.1
785261		E	78-10	7852.1
785265		E	78-10	7852.1
785787		E	78-14	none
~~**786169**~~	C		78-15	
786526		E	78-14	none
786600			78-26	none
787182		E	78-9	none

stk no	C	E	cat pg	matl std
787190		E	78-9	none
787200		E	78-9	none
787937			78-26	none
787982			78-26	none
788006		E	78-23	none
788010		E	78-23	none
788022		E	78-23	7880.2
788024		E	78-23	7880.2
788025		E	78-23	7880.2
788026		E	78-23	7880.2
788027		E	78-23	7880.2
788028		E	78-23	7880.2
788030			78-24	7820.0
788031			78-24	7820.0
788041		E	78-24	none
788042		E	78-24	none
788043		E	78-24	none
788044		E	78-24	none
788045		E	78-24	none
788046		E	78-24	none
788048		E	78-24	none
788071		E	78-24	none
788072		E	78-24	none
788073		E	78-24	none
788101		E	78-23	7880.2
788102		E	78-23	7880.2
788103		E	78-23	7880.2
788104		E	78-23	7880.2
788105		E	78-23	7880.2
788117		E	78-23	none
788118		E	78-23	none
788119		E	78-23	none
788121		E	78-23	7880.2
788122		E	78-23	7880.2
788123		E	78-23	7880.2
788125		E	78-23	7880.2
788126		E	78-23	7880.2
788127		E	78-23	7880.2
788131		E	78-25	none
788141		E	78-25	none
788142		E	78-25	none
788143		E	78-25	none
788156		E	78-25	none
788160			78-25	7820.0
788180		E	78-25	none
788190		E	78-24	none
788192			78-24	none
788253			78-23	none
788254			78-23	none
788273			78-23	none
788274			78-23	none
788300			78-25	7820.0

11 safety

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SAFETY – FIRST AID KITS

FIRST AID KITS

Description: Packaged first aid kit. First aid instruction chart included with each kit.
SCL Matl. Std.: none
SCL Matl. File: 1160.00
Stock Unit: EA

Stock No.	Description
110121	**16 unit** kit, white with blue screened City of Seattle logo. 6 to 15 people served by each kit.
110123	**24 unit** kit, white with blue screened City of Seattle logo. 16 to 30 people served by each kit.
110124	**36 unit** kit, white with blue screened City of Seattle logo. 31 to 50 people served by each kit.

FIRST AID KIT REFILLS

Description: First aid kit refills for 16, 24, and 36 unit kits above (Kit Stock Numbers 110121, 110123, and 110124 respectively). Unit refills per WISHA requirement.
SCL Matl. Std.: none
SCL Matl. File: 1160.00
Stock Unit: PK

Stock No.	Description	Items per PK	PK Refill Quantities Required for 3 Kit Sizes			Swift No. or Equiv.
			16 Unit	24 Unit	36 Unit	
110010	BANDAGE, 1″ x 3″ adhesive plastic, sterile with treated pad	16	1	2	3	100C
110014	BANDAGE, 4″, sterile compress pad	1	1	1	2	144TC
110016	BANDAGE, 2″ x 6 yd gauze roll	2	0	1	1	163GB
110018	BANDAGE, triangle, sterile	1	1	1	1	170TS
110095	COMPRESS, 24″ x 72″ sterile gauze	1	1	1	2	163GC
110096	PAD, 3″ x 3″, sterile gauze	4	1	1	2	160GC
110125	BANDAGE, knuckle adhesive, sterile	8	1	1	2	101K
110145	GEL, burn, 1/8 oz. packet	6	1	1	2	187K
110200	ADHESIVE TAPE,	2	1	1	1	102A
110028	BANDAGE, eye, pad	4	0	1	2	192EP
110067	CPR MICROSHIELD mouth barrier with gloves, wipes	1	1	1	1	450MG
110061	GLOVES, latex, disposable	2 pair	1	1	2	400G
110070	EYEWASH 1/2 oz. bottle, mild isoteric buffered solution	2	1	1	2	195S
110170	SCISSORS AND FORCEPS	1 each	1	1	1	214SF
110004	PADS, ANTISEPTIC, "wound-wipes”	10	1	1	1	230WW
110186	SWABS, "Stings & Bites"	10	1	1	1	134SS
110023	ICE PACK, instant, 5″ x 5″	1	1	1	2	185MK
110029	BLANKET, RESCUE, Mylar	1	0	1	1	264RB

SAFETY – FIRST AID SUPPLIES

SCL Matl. Std.: none

Stock Number	Stock Unit	Description
Bandages and Tape		
110009	PK	BANDAGE, butterfly, adhesive (16/PK)
110011	BX	BANDAGE, 3/4″ x 3″, adhesive with treated pad (100/PK)
110012	PK	BANDAGE, assorted, adhesive plastic (75/PK)
110013	PK	BANDAGE, 3″, sterile compress pad with ties (2/PK)
110201	RL	TAPE, 1″ x 5 YD, adhesive waterproof roll, on spool
Eyewash		
013002	EA	EYEWASH, sterile, additive for portable eyewash stations, 16 oz
Fire Blankets and Accessories		
110033	EA	FIRE BLANKET, extinguishing
110034	EA	STORAGE BAG, for fire blanket
Hot and Cold Packs		
110024	EA	ICE PACK, instant, 5″ x 8″ or equivalent
110030	EA	HEAT PACK, instant, pair of 2″ x 3″
110038	PK	TOE HEATER, Air activated, adhesive for boots and shoes. Average temperature 100°F, maximum temperature 107°F.
Masks		
110066	EA	MASK, with wrap around visor; Normed #7745 or equivalent
Sunscreen		
110002	EA	SUNSCREEN, SPF 30, 1 oz tube; “Fruit of the Earth” (Normed #2530) or Safety-approved equivalent
Towelettes		
110040	EA	VIONEX TOWELETTES, antimicrobial skin wipes; Normed #10-1510 or equivalent
110071	EA	CLEANER/DISINFECTANT, respirators and personal equipment; ammonium base towelette in foil packet

SAFETY – RESPIRATORY PROTECTION

RESPIRATORS, Half-face, MSA "Comfo Classic"

Description: Black silicone mask. Half-face type with cradle headband. Without cartridges or filters.
SCL Matl. Std.: none
Stock Unit: EA

Stock No.	Size	MSA Cat. No.
110303	S	808072
110304	M	808071
110305	L	808073

RESPIRATORS, Half-face, MSA "Comfo Elite"

Description: Black silicone mask. Half-face type with cradle headband. Without cartridges or filters.
SCL Matl. Std.: none
Stock Unit: EA

Stock No.	Size	MSA Cat. No.
110330	S	490492
110331	M	490491
110332	L	490493

RESPIRATOR CARTRIDGES, MSA

SCL Matl. Std.: none
Stock Unit: PR

Stock No.	Description	Color	MSA Cat. No.
110025	Organic vapors, type GMA-OV	black	464031
110310	Cartridge/filter combo: organic vapors, acid gas, type GMC-P100	yellow/ magenta	815180
110313	Ultra HEPA filter, asbestos dusts, type Low Profile – P100	magenta	815177

SURFACTANT, Wetting Agent, Encapsulant

SCL Matl. Std.: none
Stock Unit: GL

Stock No.	Description	Manufacturer's Cat. No.	
		Nancol	JVC Mfg.
110323	Surfactant-wetting agent, for asbestos, non-toxic, biodegradable, water dilutable concentrate 100:1	WAC	661001

RESPIRATORS, Half-face, North

Description: Black silicone mask. Half-face type with cradle headband. Without cartridges or filters.
SCL Matl. Std.: none
Stock Unit: EA

Stock No.	Size	North Cat. No.
110450	S	770030S
110451	M	770030M
110452	L	770030L

RESPIRATOR CARTRIDGES, North

SCL Matl. Std.: none
Stock Unit: PR

Stock No.	Description	Color	North Cat. No.
110460	Cartridge, highly toxic particles, HEPA	purple	7580P100
110461	Cartridge, organic vapors	black	N75001
110462	Cartridge, combo: organic vapors, acid gases and highly toxic particles, HEPA	purple/ yellow	7583P100
110464	Prefilter - paint spray/ mist	-	7506N95

PARTICULATE RESPIRATORS, 3M

SCL Matl. Std.: none
Stock Unit: EA

Stock No.	Application	Packaging	3M Cat. No.
010079	Particulates and nuisance odors	10 per box	8577 P95
010078	Lead and welding – excluding asbestos	20 bags per case	8233 N100

DISPOSABLE MASKS, 3M

SCL Matl. Std.: none

Stock No.	Stock Unit	Application	3M Cat. No.
110141	EA	Nuisance dusts only	8210

SAFETY – HAND PROTECTION

GLOVES, Solvent Resistant, NBR Rubber

Description: NBR rubber, textured, 15 mil, 13 inch length, soft-lined

SCL Matl. Std.: none

Approved Manufacturer and Catalog Nos.:
Edmont-Wilson "Sol-Vex" style #37-175

Stock Unit: PR

Stock No.	Size
110315	6/6-1/2
110316	7/7-1/2
110317	8/8-1/2
110106	9/9-1/2
110107	10/10-1/2
110108	11/11-1/2

GLOVES, Solvent Resistant, Nitrile

Description: 15-17mil, 12 inch length, flock-lined, nitrile

Approved Manufacturer and Catalog No.:
North LA172G

SCL Matl. Std.: none

Stock Unit: PR

Stock No.	Size
110260	7/7-1/2
110261	8/8-1/2
110262	9/9-1/2
110263	10/10-1/2
110264	11/11-1/2

GLOVES, Gauntlet, Neoprene

Description: Jersey lining, medium size and 12 inch gauntlet

SCL Matl. Std.: none

Approved Manufacturers and Catalog Nos.:
American, 950; Snyder, 1S-2516

Stock Unit: PR

Stock No.: 763400

GLOVES, Disposable, Vinyl

Description: ambidextrous, 100 each per dispenser box, powdered

SCL Matl. Std.: none

Stock Unit: BX

Stock No.	Size	Thickness, mils	Color	Manufacturer and Cat No Memphis
110250	small	5	white	5000S
110252	medium	6-1/2	green	5025M
110254	large	6-1/2	green	5025L
110256	x-large	6-1/2	green	5025XL

GLOVE LINERS, 100 Percent Cotton Knit

Application: for cold weather protection and to reduce the discomfort of lineworkers' rubber or leather gloves (keepers)

SCL Matl. Std.: 7634.3

Stock Unit: PR

Stock No.	Size
110134	womens
110135	mens

HAND SANITIZER, Alcohol Rub

Description: Antiseptic; kills common germs. Effective on visually clean hands only (no visible dirt). Fast acting. Active ingredient ethyl alcohol (65%).

Application: Wet hands thoroughly with product and briskly rub hands together until dry (at least 15 seconds).

SCL Matl. Std.: none

Manufacturer: Purell

Stock Unit: EA

012946

775456

Stock No.	Catalog No.	Description
012946	960524GO	Two fluid ounce size (59 ml)
775456	9659	Twelve fluid ounce size (354 ml), pump

SAFETY, HAND PROTECTION, GENERAL PURPOSE LEATHER GLOVES

GLOVES, GENERAL PURPOSE, Leather

Description: General purpose, cowhide and goatskin leather gloves. Goatskin gloves are available with or without a 4-inch gauntlet.

Application: General purpose gloves are worn to protect hands against cuts, abrasions, and punctures.

Cowhide gloves are durable and warmer than goatskin, but are prone to get stiff after being wet. Cowhide gloves are not washable.

Goatskin gloves are durable, supple, and waterproof, but do not retain heat as well as cowhide. Goatskin gloves are washable. Because goatskin gloves do not stretch, they must fit on first try.

General purpose gloves are ***not*** appropriate for use as protectors over insulating rubber gloves or for any sort of protection against hazardous voltage.

SCL Matl. Std.: 7634.17

Stock Unit: PR

Stock No.	Size	Style
013189	small	cowhide
013190	medium	cowhide
013191	large	cowhide
013192	extra-large	cowhide

013193	7	goatskin
013194	8	goatskin
013195	9	goatskin
013196	10	goatskin
013197	11	goatskin
013198	12	goatskin
013199	13	goatskin

013200	7	goatskin with gauntlet
013201	8	goatskin with gauntlet
013202	9	goatskin with gauntlet
013203	10	goatskin with gauntlet
013204	11	goatskin with gauntlet
013205	12	goatskin with gauntlet
013206	13	goatskin with gauntlet

SAFETY – REPELLENTS AND INSECTICIDES

DOG REPELLENT
Description: 1.5 oz. aerosol, 1% active ingredient
SCL Matl. Std.: none
Stock Number: 110060
Manufacturer/Catalog Number: Siebe North #11-3885 or ARI "Halt II" #61106
Stock Unit: CN

INSECT REPELLENT, Deet
Description: 6 oz. personal size aerosol
SCL Matl. Std.: none
Stock Number: 110160
Manufacturer/Catalog Number: Miles Labs "Cutter" #536-55
Stock Unit: CN

INSECT REPELLENT, Non-Deet
Description: 4 oz. spray, non-deet, Bite-Blocker
SCL Matl. Std.: none
Stock Number: 012481
Manufacturer/Catalog Number: Bite-Blocker

INSECTICIDE, Wasp and Hornet, Poison-Free

Description: Poison-Free Wasp and Hornet Killer, mint oil based, packaged in 17.5 oz. net weight aerosol can.
Application: Formulated to kill wasps, hornets, and yellow jackets in seconds. This mint based product is safe for use around children and pets. Will not stain carpet or floors. One application can last up to four weeks. Pyrethrin free - avoids potential for stream sediment toxicity.
The dielectric strength of this product has yet to be determined.
This product replaces Stock Number 110161.
SCL Matl. Std.: none
Stock Number: 012868
Manufacturer/Catalog Number: Victor (Woodstream Corporation) #M604
Stock Unit: CN

INSECTICIDE, WASP AND HORNET

Description: Wasp and Hornet Killer Plus Insecticide, high dielectric strength, packaged in 14 oz. net weight aerosol can.
Application: Fast acting, high strength insecticide. Kills wasps and hornets, ants, bees, spiders, and yellow jackets. Petroleum odor.
This product is being replaced by a poison-free alternative, Stock Number 012868.
SCL Matl. Std.: none
Stock Number: 110161
Manufacturer/Catalog Number: CRC #14010
Stock Unit: CN

SAFETY, HEAD PROTECTION

CAP, SAFETY, Class B Dielectric
Description: yellow with slots for accessories and with CL logo
SCL Matl. Std.: none
Manufacturer: Bullard 0302YRT
Stock Unit: EA
Stock Number: 110020

CAP, SAFETY, Class B Dielectric
Description: white with CL logo
SCL Matl. Std.: none
Manufacturer: Bullard #0302W or MSA 463942
Stock Unit: EA
Stock Number: 110021

LINER, WINTER, for Hard Hat or Cap
Description: dielectric, fire retardant
SCL Matl. Std.: none
Manufacturer: North #WL4 or equivalent
Stock Unit: EA
Stock Number: 110136

LINER, WINTER, Hard Hat
Description: full neck length, detachable nose/mouth cover, 3″ non-detachable chin strap, all Velcro fasteners, fire retardant, non-dielectric (face piece)
SCL Matl. Std.: none
Manufacturer: North #WL12FP or equivalent
Stock Unit: EA
Stock Number: 110137

CHIN STRAP, for Hard Hat or Cap
Description: elastic with plastic hooks and buckle
SCL Matl. Std.: none
Manufacturer: Bullard #ES42 or MSA 88128
Stock Unit: EA
Stock Number: 110180

HAT, SAFETY, Class B Dielectric
Description: yellow
SCL Matl. Std.: 7639.0
Stock Unit: EA
Stock Number: 110022

HAT, SAFETY, Class B Dielectric
Description: white
SCL Matl. Std.: 7639.0
Stock Unit: EA
Stock Number: 110112

SWEATBAND, Clip-On
Description: for hard hat or cap
SCL Matl. Std.: none
Manufacturer: All-Safe #AA102 or equivalent
Stock Unit: EA
Stock Number: 110190

SUSPENSION, for Hard Hat or Cap, Bullard
Description: 6 point dihedral for Bullard hard hat or cap
SCL Matl. Std.: none
Manufacturer: Bullard #ES-Ultra
Stock Unit: EA
Stock Number: 110182

SUSPENSION, for Hard Hat or Cap
Description: ratcheting adjustable
SCL Matl. Std.: none
Manufacturer: Bullard ESRT-SL
Stock Unit: EA
Stock Number: 110183

SAFETY, HEARING PROTECTION

EARPLUGS, Disposable

Description: open cell, cylindrical shape, foam, Noise Reduction Rating: 32 dB

SCL Matl. Std.: none

Manufacturer: E.A.R. #PL101

Stock Unit: PR

Stock Number: 110155

EARPLUGS, Disposable

Description: with neck cord, for medium to small ear canals, Noise Reduction Rating: 28 dB

SCL Matl. Std.: none

Manufacturer: E.A.R. "E-Z Fit" product code 312-1222

Stock Unit: PR

Stock Number: 110156

EARPLUGS, Disposable

Description: tapered, light pressure, foam, green, Noise Reduction Rating: 30 dB

SCL Matl. Std.: none

Manufacturer: H.L. Leight "Max Lite"

Stock Unit: PR

Stock Number: 110157

EARPLUGS, with Neck Cord

Description: Noise Reduction Rating: 25 dB

SCL Matl. Std.: none

Manufacturer: E.A.R. Express Pod Plugs, product code 311-1115

Stock Unit: **PR**

Stock Number: 110158

EARPLUGS, without Cord

Description: Noise Reduction Rating: 25 dB

SCL Matl. Std.: none

Manufacturer: E.A.R. Express Pod Plugs, product code 321-2200

Stock Unit: PR

Stock Number: 110159

EARMUFFS, for Safety Cap

Description: for safety cap (Stock No. 110020) attachable, dielectric with foam cushions, Noise Reduction Rating: 23 dB

SCL Matl. Std.: none

Stock Unit: PR

Stock Number: 110076

EARMUFFS, Dielectric

Description: with fluid filled ear cushions and headband, see also, above, Stock No. 110076

Noise Reduction Rating:
over head, 28 dB
under chin, 21 dB
behind ear, 23 dB

SCL Matl. Std.: none

Manufacturer: Silencio #LIQ-71

Stock Unit: EA

Stock Number: 118202

SAFETY GLASSES

SAFETY GLASSES

Description: Polycarbonate safety spectacles, more commonly known as safety glasses.

Application: Safety glasses are used to minimize or prevent eye injuries from impact, electrical arc flash, and/or solar glare. Some models are provided with reader prescriptions. Safety glasses are not intended to provide protection from welding radiation, blood-borne pathogens, chemical vapors, X-rays, microwaves, or lasers. Other limitations may also apply. Hinge to hinge width values are comparative estimates to aid individual selection and fitting.

SCL Matl. Std.: 4008.10

Stock Unit: EA

	Description						
Stock Number	Lens Color	Relaxed Hinge to Hinge Width, mm	Prescription	Adjustable Length Spatula	Apply Over Glasses	Manufacturer	Model
012952	clear	126	none	yes	no	Smith & Wesson	Magnum 3G
012955	clear	128	none	no	no	Radians	Prestige
012265	clear	134	+1.5	no	no	Remington	-
012266	clear	134	+2.0	no	no	Remington	-
012950	clear	138	+1.5	yes	no	Gateway	Scorpion Mag
012951	clear	138	+2.0	yes	no	Gateway	Scorpion Mag
110283	clear	140	none	yes	no	Gateway	Hawk
012954	clear	144	none	no	no	Radians	Apocalypse
110072	clear	145	none	no	yes	North	OG T1100
012953	smoke	126	none	yes	no	Smith & Wesson	Magnum 3G
110230	blue, mirror	132	none	no	no	Radians	Techna Bobcat
012493	gray	138	+1.5	yes	no	Gateway	Scorpion Mag
012494	gray	138	+2.0	yes	no	Gateway	Scorpion Mag
110285	amber	140	none	yes	no	Gateway	Hawk
110287	chrome, mirror	140	none	yes	no	Gateway	Hawk
110284	gray	140	none	yes	no	Gateway	Hawk
110301	gray	148	none	yes	yes	Uvex	Ultra-Spec

SAFETY, EYE PROTECTION ACCESSORIES

CLEANING SOLUTION, Anti-Fogging

Description: anti-fogging lens cleaning solution, squeeze bottle

SCL Matl. Std.: none

Manufacturer: Alpenco AL30 or equivalent

Stock Unit: BO

Stock Number: 110001

CLEANING SOLUTION, Towelette

Description: lens cleaning towelette, anti fog, anti static solution, silicone free, individual foil packed, safety approved item

SCL Matl. Std.: none

Manufacturer: H.L. Bouton 19041637, “SafetyClean” no substitution

Stock Unit: EA

Stock Number: 110003

TISSUE DISPENSER, Metal

Description: metal dispenser for lens tissues for glass or poly lens, 350 tissue capacity for Stock No. 110210

SCL Matl. Std.: none

Manufacturer: Magic Lens 852D or equivalent

Stock Unit: EA

Stock Number: 110055

TISSUE, Lens Cleaning

Description: lens cleaner tissues, 2-7/8” x 6-1/2”, 350 per package, silicone treated, for glass or poly lens

SCL Matl. Std.: none

Manufacturer: Magic Lens 852R, or equivalent

Stock Unit: PK

Stock Number: 110210

CLIP-ON LENSES, regular size

Description: clip-on/flip-up lenses, dark gray plastic, reg., 60mm x 50mm

SCL Matl. Std.: none

Manufacturer: Great Western POL-PL-REG

Stock Unit: PR

Stock Number: 110238

CLIP-ON LENSES, large size

Description: clip-on/flip-up lenses, dark gray plastic, large, 64mm x 56 mm

SCL Matl. Std.: none

Manufacturer: Great Western POL-PL-LRG

Stock Unit: EA

Stock Number: 110239

GLASSES CASE

Description: protective case with pocket clip and Velcro snap flap or rip-stop nylon pouch with draw string closure, for glasses with size 54+ lens and side-shields

SCL Matl. Std.: none

Manufacturer: AO SafetyC748 or equivalent

Stock Unit: EA

Stock Number: 110031

GLASSES CORD, Nylon

Description: eyeglass holder cord, black braided nylon with molded adjustable ear piece attachments

SCL Matl. Std.: none

Manufacturer: Seron Mfg. Co. Item #1, “Glass-Gard” or equivalent

Stock Unit: EA

Stock Number: 110093

SAFETY, GOGGLES

GOGGLE, Medium Energy Arc

Description: Optically correct dual layer lens. Outer polycarbonate lens is hard coated and the inner propionate lens is anti-fog treated. Silicone strap is comfortable and easily adjustable with gloves. Frame manufactured from silicone and fits over most prescription safety and sun protective spectacles. Compatible with cap style and full brim safety helmets. Outer blue bezel designed with protective nose shield. Black frame with blue bezel. Weighs 7.23 oz.

Application: ATPV Rating, designed to meet the performance specifications of NFPA 70E-2004 @ 38 Cal/Cm² and ANSI Z87.1. Tested under ASTM F2178. Intended to be worn with balaclava, Stock Number 013236.

SCL Matl. Std.: 4013.31

Stock Unit: PR

Stock Number: 013237

GOGGLE, Chemical

Description: softside, direct ventilation with clear polycarbonate fogless coated lens

SCL Matl. Std.: none

Manufacturer: AO Safety 484BDX or equivalent

Stock Unit: PR

Stock Number: 110111

SAFETY, FACE SHIELDS

FACE SHIELD, Arc Flash

Description: ArcShield kit for full brim helmets. Includes light green, plastic alloy Nano Particle Arc Shield, permanently attached chin protector, mounting bracket and instructions.

Application: ATPV Rating, designed to meet the performance specifications of NFPA 70E-2004 @ 38 Cal/Cm² and ANSI Z87.1. Tested under ASTM F2178.

SCL Matl. Std.: 4013.31

Stock Unit: EA

Stock Number: 013238

FACE SHIELD, Polycarbonate

Description: 8” x 15” x 0.04”, clear polycarbonate

Application: for use with hard cap frame

SCL Matl. Std.: none

Manufacturer: North A8152/40 or equivalent

Stock Unit: EA

Stock Number: 110084

FACE SHIELD, Acetate

Description: 8” x 15” x 0.06”, clear injected molded acetate

SCL Matl. Std.: none

Manufacturer: Paulson IM9L6F or equivalent

Stock Unit: EA

Stock Number: 110089

FACE SHIELD, Visor, Acetate

Description: 8” x 15-1/2” x 0.06”, clear acetate

Application: for use with hat frame

SCL Matl. Std.: none

Manufacturer: Paulson S17A6F or equivalent

Stock Unit: EA

Stock Number: 110221

FRAME FACE SHIELD, Hard Hat

Description: frame-face shield, hard hat attachable

SCL Matl. Std.: none

Manufacturer: Paulson CP5004 or equivalent

Stock Unit: EA

Stock Number: 110091

FRAME FACE SHIELD, Hard Cap

Description: frame-face shield, hard cap with accessory slots, attachable

SCL Matl. Std.: none

Manufacturer: Paulson CB2S

Stock Unit: EA

Stock Number: 110083

FACE SHIELD HEADGEAR

Description: headgear-for face shield with large guard, ratchet headband and adjustable pivot

SCL Matl. Std.: none

Manufacturer: Paulson HG4S or equivalent

Stock Unit: EA

Stock Number: 110087

LENSPLATE, Welding Eye Protection

Description: cover-lensplate, 2” x 4-1/4”, clear polycarbonate

Application: for welders goggles/helmet

SCL Matl. Std.: none

Manufacturer: Thermo-Cote or equivalent

Stock Unit: EA

Stock Number: 110131

SAFETY, PROTECTIVE CLOTHING

BALACLAVA, Arc Flash

Description: Six ounce, double layer balaclava (sock hood) made from knit material of Carbon Kevlar® fiber.

Application: Designed with a slightly longer bib, for additional arc protection, as well as a contoured eyehole that can be worn over or under the nose for maximum comfort, without compromising safety. Intended to be worn with goggle, Stock Number 013237.

SCL Matl. Std.: 4013.31

Stock Unit: EA

Stock Number: 013236

APRON, Chemical Resistant

Description: Heavy-duty 20 mil white vinyl with pre-attached neck and waist straps; 36-inch width by 45-inch length.

SCL Matl. Std.: none

Manufacturer: Edmont-Wilson; Catalog No. 54-733

Stock Unit: EA

Stock Number: 110400

SAFETY, COVERALLS

COVERALL, Secondary Flame Resistant (FR)

Description: Tempro® fabric hooded coverall, standard fit attached hood, serged seams, elastic wrist, elastic ankle, blue, and front zipper closure with or without attached sock boots.

Application: Secondary FR protection coveralls are worn over primary FR clothing to resist nuisance contamination from solids and non-toxic liquids.

Secondary FR protection coveralls do not provide protection from hazardous chemical exposures or provide additional FR protection.

Secondary FR protection coveralls are considered single use garments.

SCL Matl. Std.: 4013.25

Stock Unit: EA

Stock Number		
with Attached Sock Boots	without Sock Boots	Size
013209	013219	Small (S)
013210	013220	Medium (M)
013211	013221	Large (L)
013212	013222	Extra-large (XL)
013213	013223	Double extra-large (2X)
013214	013224	Triple extra-large (3X)
013215	013225	Four extra-large (4X)
013216	013226	Five extra-large (5X)
013217	013227	Six extra-large (6X)
013218	013228	Seven extra-large (7X)

COVERALL, Protective, PCB Work

Description: "SARANEX" Coverall with hood. Zipper with taped flap. Elastic at wrists and ankles. Sealed and bound seams, Tall sizing comes with additional 3 inch to arm and leg lengths.

SCL Matl. Std.: none

Manufacturer: Kappler; Catalog No 72728 or equivalent

Stock Unit: EA

Stock Number	Size
110348	medium
110350	large
110352	x-large
110354	2x-large

SUITS, Arc Flash

Description: Hooded coverall, respirator fit, draw string hood, elastic wrist, front zipper, high-visibility orange, flame resistant.

Application: Arc flash suits (with special accessories) are worn to protect employees from known arc flash hazards and maintain state and federal compliance. Arc flash suits also offer protect against liquid chemical splash. Employees must be trained prior to using arc flash suits and accessories. Contact Seattle City Light Safety & Health for details.

SCL Matl. Std.: 4013.29

Stock Unit: EA

Stock Number	Size
013229	Medium (M)
013230	Large (L)
013231	Extra-large (XL)
013232	Double extra-large (2X)
013233	Triple extra-large (3X)
013234	Four extra-large (4X)
013235	Five extra-large (5X)

COVERALL, Protective, Asbestos Work

Description: White with hood, zipper and elasticized wrists and ankles. Dupont "Tyvek" material, labeled "Tyvek". 3x-large comes with additional 3 inches to arm and leg lengths (tall sizing).

SCL Matl. Std.: none

Manufacturer: Dupont

Stock Unit: EA (25 EA / CS)

Stock Number	Size	Dupont Catalog Number
110360	small	302-14127S
110362	medium	302-14127M
110364	large	302-14127L
110366	x-large	302-14127XL
110367	3x-large	302-14127XXX
110369	5x-large	302-141275X

SAFETY, VISIBILITY AIDS

SAFETY VEST, Orange, Standard-Weight

Description: Modacrylic, standard-weight (5.5 oz), high-visibility, flame resistant.

Application: Safety vests are intended to provide high visibility to the user in hazardous situations under any light conditions by day and under illumination by vehicle headlights in the dark.

SCL Matl. Std.: 4015.10

Stock Unit: EA

Stock No.	Size
110223	small
110224	medium
110225	large
110226	x-large
110227	2x-large
010700	3x-large
010701	4x-large

SAFETY VEST, Lime, Light-Weight

Description: Modacrylic, light-weight (5.0 oz), high-visibility, flame resistant.

Application: Safety vests are intended to provide high visibility to the user in hazardous situations under any light conditions by day and under illumination by vehicle headlights in the dark.

SCL Matl. Std.: 4015.15

Stock Unit: EA

Stock No.	Size
012963	medium
012964	large
012965	x-large
012966	2x-large
012967	3x-large
012968	4x-large

REFLECTIVE STRIPS, Hard Hat

Description: adhesive, 1-inch by 4-inch, silver/white

Application: use on flagger's hard hats

SCL Matl. Std.: none

Manufacturer: Sanderson Safety #XC202-1553-16

Stock Unit: SH

Stock Number: 012590

SAFETY, ELECTRICAL INSULATING GLOVES

RUBBER INSULATING GLOVES, Class 0

Application: Class 0 gloves are only appropriate for use on systems rated 1000 V or less. Refer to WAC 296-45 and ASTM F-496, Section 3 for more information. Rubber insulating gloves with an overall length of 14 inches, Stock Numbers 013258 and 013259, are used exclusively by network protector crews.

SCL Matl. Std.: 7634.60

Stock Unit: PR

Stock No.	Size	Length, in
012269	7	11
763359	8	11
012796	8 short finger	11
763360	9	11
763362	9-1/2	11
763364	10	11
763366	10-1/2	11
763368	11	11
013361	12	11
013258	9-1/2	14
013259	10-1/2	14

RUBBER INSULATING GLOVES, Class 1

Application: In Washington State, insulating rubber gloves are only appropriate for use as a secondary layer of personal protection for the purpose of guarding against accidental contact with primary voltage. Class 1 gloves are only appropriate for use on Seattle City Light systems nominally rated 4 kV (line-to-line) or less. Refer to WAC 296-45 and ASTM F-496, Section 3 for more information.

SCL Matl. Std.: 7634.61

Stock Unit: PR

Stock No.	Size
763338	8
763339	8-1/2
763340	9
763342	9-1/2
763344	10
763346	10-1/2
763348	11

RUBBER INSULATING GLOVES, Class 2

Application: In Washington State, insulating rubber gloves are only appropriate for use as a secondary layer of personal protection for the purpose of guarding against accidental contact with primary voltage. Class 2 gloves are only appropriate for use on systems rated 26.4 kV (line-to-line) or less. Refer to WAC 296-45 and ASTM F-496, Section 3 for more information.

SCL Matl. Std.: 7634.62

Stock Unit: PR

Stock No.	Size
012924	8
012925	8-1/2
012926	9
012927	9-1/2
012928	10
012929	10-1/2
012930	11
012931	11-1/2
012932	12

SAFETY, ELECTRICAL INSULATING GLOVE PROTECTORS

GLOVE PROTECTOR, Class 0, Leather (Keepers)

Application: Class 0 leather protector gloves, also known as keepers, are worn over rubber insulating gloves to protect against cuts, abrasions, and punctures. Rubber insulating gloves shall not be used without leather protector gloves. Leather protector gloves shall not be used alone for protection against electric shock. Leather protector gloves with an overall length of 13 inches, Stock Numbers 013260 and 013261, are used exclusively by network protector crews.

SCL Matl. Std.: 7634.20

Stock Unit: PR

Stock No.	Size	Length, in
012267	7	10
012268	7-1/2	10
763373	8	10
012797	8 short finger	10
763374	9	10
763379	9-1/2	10
763375	10	10
763380	10-1/2	10
763376	11	10
763377	12	10
013260	10	13
013261	11	13

GLOVE PROTECTOR, Class 1 and 2, Leather (Keepers)

Application: Class 1 and 2 leather protector gloves, also known as keepers, are worn over rubber insulating gloves to protect against cuts, abrasions, and punctures. Rubber insulating gloves shall not be used without leather protector gloves. Leather protector gloves shall not be used alone for protection against electric shock.

SCL Matl. Std.: 7634.21

Stock Unit: PR

Stock No.	Size
763353	8
763350	8-1/2
763354	9
763351	9-1/2
763355	10
763352	10-1/2
763356	11
763357	12

SAFETY, FOOT PROTECTION

BOOT COVERS, PCB Work

Description: "SARANEX" White with bound seams and elasticized ankles. One size fits all.

SCL Matl. Std.: none

Manufacturer: Kappler; Catalog No 77014 or equivalent

Stock Unit: PR

Stock Number: 110370

BOOT COVERS, Asbestos Work

Description: Type 14 "TYVEK" non-porous white with Elasticized ankles. One size fits all.

SCL Matl. Std.: none

Manufacturer: Kappler; Catalog No 414 or equivalent

Stock Unit: PR

Stock Number: 110380

DRIVER VEHICLE INSPECTION REPORT (DVIR) BOOKS

DRIVER VEHICLE INSPECTION REPORT

Description: Driver Vehicle Inspection Report (DVIR) Books, approximately 5-1/2" x 8-1/2", 2-ply carbonless design.

Application: Driver Vehicle Inspection Report books, also known as Daily Driver Inspection Report books, are used by all Seattle City Light commercial vehicle drivers. At the beginning of each driving shift, the driver shall complete a Driver Vehicle Inspection Report that covers all the items in the pre-trip inspection for Commercial Driver's License (CDL) Units and Towed Units. Additional instructions are printed on the cover and inside each book. Documenting daily vehicle inspections are a requirement of D.O.T. Federal Law 49 CFR 396.11 & 396.13. For more information, contact your supervisor or City Light's Safety Unit.

SCL Matl. Std.: 4019.85

Stock Unit: EA

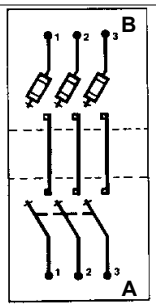
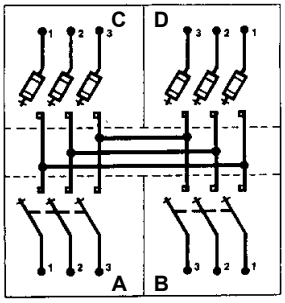
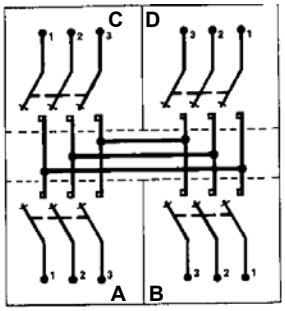
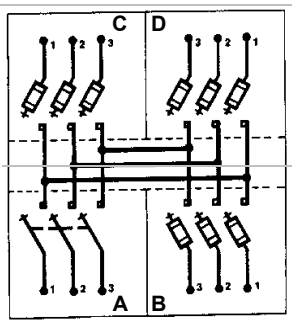
Stock Number: 013343

20 switches

Padmount Switchgear	***1***
Sectionalizers, Submersible Switches, and Capacitor Bank Switches and Controls	***3***
Three-Phase, SF6, Multi-Purpose Switchgear	***4***
Air Break and Loadbreak Disconnect Switches	***5***
SCADA Controlled Distribution Switchgear	***6***
Switch Maintenance Supplies	***7***
Switch Accessories	***8***
Substation Components	***9***
Terminal Block, DIN Modular System	***11***

PADMOUNT SWITCHGEAR

SWITCHGEAR, Padmount
SCL Matl. Std.: 2501.9
Stock Unit: EA

Stock No.	Description	Configuration
250195	Padmount switch, PMH-5, 27 kV, 1-600A, 3 phase switch with mountings & end fittings for one set of three Fault-Fiter electronic fuses. With motor operator & 24 volt DC ZSD relay, PT, CTs, battery packs & charger. Order Interrupter module (fuse) and electronic control modules separately. See Stock Catalog page 68-16.	
250190	Padmount switch, PMH-9, 27 kV, 2 each 600 amp, 3 phase switches and 2 three phase sets of mountings and end fittings for SML-20 fuses. Fuses must be ordered separately. "E" and “K” curve SMU-20 fuses are on Stock Catalog page 68-7; “X” curve full range limiters are on Stock Catalog page 68-10.	
250192	Padmount switch, PMH-10, 27 kV, 4 each 600 amp, 3 phase switches.	
250191	Padmount switch, PMH-12, 27 kV, 1-600 amp, 3 phase switch and 3-three phase sets of mountings and end fittings for SML-20 fuses. Fuses must be ordered separately. "E" and “K” curve SMU-20 fuses are on Stock Catalog page 68-7. “X” curve full range limiters are on Stock Catalog page 68-10.	
250163	Motor operator kit for PMH-5 switch. Includes 24 volt dc ZSD relay, PT, CTs, battery packs and charger. See Stock Catalog page 68-16.	

SECTIONALIZERS, SUBMERSIBLE SWITCHES, AND CAPACITOR BANK SWITCHES AND CONTROLS

SWITCH SF6, Submersible. DO NOT PURCHASE. No longer purchased. Information is presented here for reference only.

SCL Matl. Std.: 2500.6 (rescinded, reference only)

Stock Unit: EA

Stock No.	Description
250060	Switch, 600 ampere, 3 phase, 27 kV, 2-way submersible, SF6. Canada Power Products
250061	Switch, 600 ampere, 3 phase, 27 kV, 8-way submersible, SF6. Canada Power Products
250062	Switch, 600 ampere, 3 phase, 27 kV, 4-way submersible, SF6. Canada Power Products

SWITCH, Vacuum, Submersible. DO NOT PURCHASE. No longer purchased. Information is presented here for reference only.

SCL Matl. Std.: none

Stock Unit: EA

Stock No.	Description
250051	Switch, 200 ampere, 3 phase, 27 kV, 2-way submersible, vacuum, Powerdyne/ Kearney/ Cooper
250054	Switch, 600 ampere, 3 phase, 27 kV, 2-way submersible, vacuum, Powerdyne/ Kearney/ Cooper

SECTIONALIZER

SCL Matl. Std.: 2501.45

Stock Unit: EA

Stock No.	Description	A. B. Chance/ Hubbell Cat. No.
210111	Electronic sectionalizer, resettable, 38 kV, 150 kV BIL, 200 ampere continuous rating, 2 counts, 17 leakage distance, to fit Stock No. 682099 C/O. For use on 26 kV system.	C740-392T
210115	Actuator, replacement part for old Chance electronic sectionalizer, number C790-392T only.	C700-1729

CONTROL, Capacitor Switching

SCL Matl. Std.: none

Stock Unit: EA

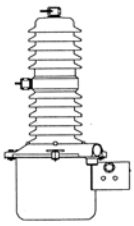
Stock No.	Description	Sangamo Cat. No.
738365	voltage sensitive with time bias	LincolntrolType VS, No. 53945

CAPACITOR BANK SWITCH

SCL Matl. Std.: none

Stock Unit: EA

Stock No.	Description	Joslyn Cat. No.
210004	15 kV, 200 ampere, vacuum switch	VersaVac



THREE-PHASE, SF6, MULTI-PURPOSE SWITCHGEAR

15.5 KV, MANUALLY CONTROLLED SWITCHGEAR

Description: 15.5 kV, three-phase, SF6-insulated, multi-purpose, manually controlled, switchgear.

Application: This switchgear is intended for use on 13.8 kV, 3-wire delta, 60 Hz, Network systems where the available fault current is less than 25 kA rms symmetrical.

SCL Matl. Std.: 4501.61

Stock Unit: EA

Stock No	Description
013345	15.5 kV, three-position, load interrupter switch, 600 A, wet vault
013346	15.5 kV, four-position, load interrupter switch, 600 A, wet vault

29 KV, MANUALLY CONTROLLED DISTRIBUTION SWITCHGEAR

Description: 29 kV, 600 A, padmount or wet vault

Application: This switchgear has a wide variety of applications, features, and options. Engineers are encouraged to review the Material Standard before ordering.

SCL Matl. Std.: 4501.65

Stock Unit: EA

Stock No	Positions	Style	Special Application
012673	2	padmount	large URD transformer protection device
012846	3	padmount	-
012709	5	padmount	-
012708	6	padmount	-
012707	3	wet vault	-
013347	3	wet vault	First Hill Network
012748	4	wet vault	-
012706	5	wet vault	-
012705	6	wet vault	-

Accessories

Stock No	Description
none	remote motor operator
none	overcurrent control adapter cable

29 KV, REMOTE SUPERVISORY (CAPABLE) DISTRIBUTION SWITCHGEAR

Description: 29 kV, 600 A, padmount or wet vault, with or without automated switch controls and fiber optic transceiver

Application: This switchgear has a wide variety of applications, features, and options. Engineers are encouraged to review the material standard before ordering.

SCL Matl. Std.: 4501.67

Stock Unit: EA

Stock No	Positions	Style	Automated Switch Controls and Fiber Optic Transceiver
012711	5	padmount	included
013244	5	padmount	provision only
012710	6	padmount	included
013245	6	padmount	provision only
012704	3	wet vault	included
013246	3	wet vault	provision only
012885	4	wet vault	included
013247	4	wet vault	provision only
012703	5	wet vault	included
013248	5	wet vault	provision only
012695	6	wet vault	included
013249	6	wet vault	provision only

Accessories

Stock No	Description
013348	portable remote control
013350	50-foot length control cable

AIR BREAK AND LOADBREAK DISCONNECT SWITCHES

AIR BREAK DISCONNECT SWITCHES, Single Phase

Stock Unit: EA

Stock No.	Manufacturer's Catalog No. or Material Standard Reference	Description
250045	KPF A-201	7.5 kV, 400 amp, single pole, with operating mechanism for crossarm mounting.
250130	2501.1	25 kV, 600 amp, single pole, for vertical or inverted mounting on wood crossarms, with hooks for load buster tool and 2-hole NEMA pad with bolts.
250100	S&C 320023R10-Z5	25 kV, 1200 amp, single-pole, loadbreak, heavy duty, for vertical or horizontal mounting. Hookstick operated blade to have positive 90 degree stop.

LOADBREAK DISCONNECT SWITCHES AND REPLACEMENT INTERRUPTERS

Description: Three phase, gang-operated

Application: Overhead distribution switches are mounted on wood poles to break or pick up load, loop, and line charging current on Seattle City Light's 26.4 kV, looped radial distribution system.

Interrupter shunt kits are used to upgrade Inertia switches that were not originally provided with an interrupter shunt accessory. Only one kit is required per three-phase switch. Inertia switches purchased after March 2011 are provided with interrupter shunts. This feature improves a switch's operability.

SCL Matl. Std.: 4501.50

Stock Unit: EA

Switch Stock No.	Interrupter Stock No.	Interrupter Shunt Kit Stock No.	Nominal Voltage, kV	Continuous Current, A	Mounting Type
250150	012119	013279	25	600	horizontal
250151	012119	013279	25	600	vertical (riser)
250152	012121	013280	25	1200	horizontal
250153	012121	013280	25	1200	vertical (riser)

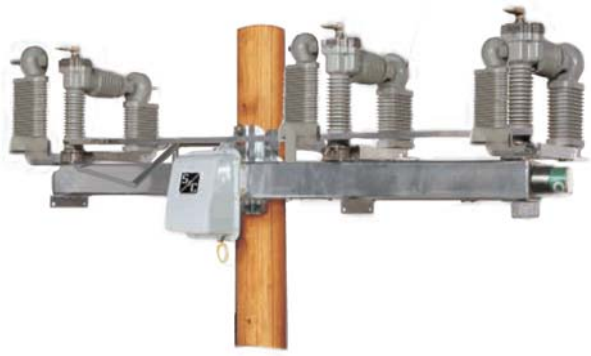
SCADA CONTROLLED DISTRIBUTION SWITCHGEAR

29 KV, THREE-PHASE, OVERHEAD, SCADA-CONTROLLED DISTRIBUTION SWITCHGEAR SYSTEMS

Application: Switchgear and control units involve a variety of complex features and options. Engineers are encouraged to review the Material Standard before ordering.

SCL Matl. Std.: 4501.55

Stock Unit: EA



Stock Number	Description
012658	Remote supervisory controlled (capable), load interrupter switch, upright
012697	Remote supervisory controlled (IntelliTeam capable), load interrupter switch, upright
013250	Remote supervisory controlled ((IntelliTeam capable), load interrupter switch, vertical
012663	Control unit with SCADA-Mate switch software
012698	Control unit with IntelliTeam II system software
013272	Control unit with IntelliTeam SG system software

SWITCH MAINTENANCE SUPPLIES

S&C SWITCH PARTS

Stock Unit: EA

Stock No	S&C Part No.	Description
250030	SA-40005	Interrupting Unit, 25/34.5 kV, 1200 amp, loadbreak replacement parts for S&C switch #135944 and 135934 to use with Stock #250152 and #250153.
250031	4616	Interrupting Unit, 25kV, 600 amp, loadbreak replacement parts for S&C switch #147423 and #147513, to use with Stock #250150 and #250151.
254600	VU-998	Rod guide assembly for S&C 1200 amp switch #135944 and #135934 to use with Stock #250152 and #250153, for use with mounting switches on taller poles requiring longer operating rods.
254601	SA-41729	Rod Guide, for 3/4″ IPS pipe, for use with S&C 600 amp switch, on wood poles 60 ft and taller.
254602	SA-38004	Straight Coupling, for 3/4″ IPS pipe, for use with S&C 600 amp switch, on wood poles 60 ft and taller.

KPF TYPE "A" SWITCH PARTS

Stock No	Stock Unit	KPF Part No	Description
254911	PR	A-19	Switch clip for 600 amp KPF Type A-202.
254912	PR	A-19	Switch clip for 1200 amp KPF Type A-202.
254917	EA	A-62	Lead, blade, for KPF Type A-202.
254918	EA	A-63	Lead, clip, for KPF Type A-202.
254940	EA	A-12 A-19 A-31	Assembly, Switch clip for KPF Type A-202, consisting of: Clip Holder Switch Clip Toggle Bolts (2)
254941	EA	F-167	Pipe clamp for 3/4″ pipe, replacement part for KPF switches.
254851	EA	–	Quick break assembly for new and existing KPF Type A switches per CL Construction Guideline D8-11.
254939	EA	A-48	90 degree special bell crank, KPF switch A-202.
254938	EA	S-610	Bell crank for KPF switch A-202.

KPF-TYPE SWITCH HANDLE PARTS

Stock No	Stock Unit	Part No. or SCL Material Standard	Description
254969	PR	2549.8	Coupling-inner: For switch handle-wood shaft extension
254970	PR	2549.8	Coupling: Outer metal switch handle
254978	EA	2549.8	Handle, extension, steel, 6′-8″ long
254979	EA	KPF S-28	Handle, control, (KPF drawing B-539)
254980	EA	KPF S-53, S-76, S-91 or Inertia I-1524	Assembly, intermediate guide & base (KPF assembly includes all listed parts).
254987	EA	KPF FGS-26 or Inertia I-1551	Fiberglass rod (with wide end, FG-50; narrow, FG-51).

KPF TYPE "W" SWITCH PARTS

Stock No	Stock Unit	KPF Part No	Description
254971	EA	W-3	Insulator Stack, Rotating
254973	EA	❖W-18 or A-18	Switch Blade
254976	EA	❖W-65 or A-85	Keeper, Brass
254984	EA	LH W-202	Bracket, phase mounting - left hand per KPF drawing B-608 PH W-202.

❖May be used on KPF A Type switches also.

Note: "KPF-Type" switches are presently manufactured by both Cooper and Inertia.

SWITCH ACCESSORIES

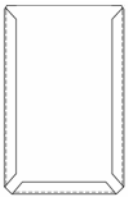
TAG HOLDER

Application: for overhead switch tags

SCL Matl. Std.: 5817.1

Stock Unit: EA

Stock Number: 581799



SWITCH CONTACT LUBRICANT

Description: Semi-solid, light tan to light yellow lubricant. Packaged in 1/4-oz tube.

Application: For lubricating S&C Electric type PMH, padmount, Mini-Rupter switch contacts.

Avoid contact with skin or eyes. During use, wear chemical resistant gloves and safety glasses. No ingredients are known to be hazardous under normal usage.

Refer to S&C Electric Data Bulletin 662-90 for type PMH switchgear inspection and maintenance recommendations.

SCL Matl. Std.: 7510.44

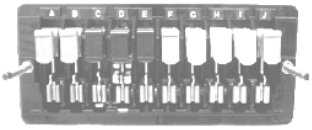
Stock Unit: TU

Stock Number: 013241

SUBSTATION COMPONENTS

TEST SWITCH, 600 VOLT, 30 AMP, 10 Position

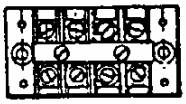
SCL Matl. Std.: 2805.00
Stock Unit: EA



Stock Number	Manufacturer and Catalog Number
012647	ABB 129A501G01
012649	ABB 129A514G01

TERMINAL BLOCK, 45 Amp

SCL Matl. Std.: 2903.1
Stock Unit: EA



Stock Number	Number of Points	Wire Size, AWG
290308	8	8
290310	12	8

IDENTIFICATION STRIP, Terminal Block

Description: white
Application: to fit Marathon 600 series terminal blocks
SCL Matl. Std.: none
Stock Unit: EA

Stock Number	Type
290309	8 point terminal block (1608SM)
290311	12 point terminal block

RELAY SOCKET, Industrial

SCL Matl. Std.: none
Stock Unit: EA

Stock Number	Manufacturer and Catalog Number
290497	Potter & Brumfield 27E-122

TERMINAL BLOCK, DIN MODULAR SYSTEM

PHOENIX CLIPLINE MODULAR TERMINAL BLOCKS

SCL Matl. Std.: 2903.20
Stock Unit: EA

Stock Number		Component	Phoenix Catalog Information: Type	Phoenix Catalog Information: Model/ Order Number
012609		**DIN rail** order designation: AL UNPERF 2000MM	NS 35/15	1201756
012610		**End clamp**	E/UK	1201442
012611		**Fuse terminal block**	USIG	0920083
012612		**Fuse plug**	ST - SI	0920229
012613		**Ground terminal block**	USLKG 6 N	0442079
012614 012715		**Knife disconnect terminal block**	UDK 4-MTK-P/P (gray) UDK 4-MTK-P/P BU (blue)	2775210 2775223
012615 012716		**One-level terminal block** with double connection on both sides	UDK 4 (gray) UDK 4-BU (blue)	2775016 2775090
012617		**Ferrule** with plastic sleeve, AWG #12	AI 4 – 12 GY	3200959
012618		**Ferrule** with plastic sleeve, AWG #14	AI 2.5 – 12 GY	3200962

30 transformers

Capacitor Banks, Regulators & Pressure Relief Valve	***1***
Network Protectors and Bus Tie Switches	***3***
Power Transformers	***4***
Transformers, Underground	***5***
Submersible Transformers, Replacement Only	***6***
Padmount Transformers, Replacement Only	***7***
Specialty Transformers	***9***
Transformer – Underground – Epoxy Encapsulated	***10***
Overhead Y-Transformers	***12***
Overhead YL-Transformers	***14***
Overhead, Replacement Only	***16***
Pad Mounted PM-Transformers	***20***
Submersible SY Transformers	***30***
Submersible CS Transformers	***32***
Network S-Transformers	***36***
Network Transformers, Replacement Only	***38***

CAPACITOR BANKS, REGULATORS & PRESSURE RELIEF VALVE

CAPACITOR BANKS, Switched, Three Phase

Stock No.	kV	Size	Application
313871	15.250	1200 kVAR	(For Grounded Wye)
314771	26	1200 kVAR	(For Floating Wye)

REGULATORS

Stock Unit: EA

Stk. No.	Description
311048	2400V, 100 Amp for 250 kVA load, 6% regulation in 1-1/2% steps.

PRESSURE RELIEF VALVE

For distribution transformers.
Per C.L. Spec. 2940.1
Stock Unit: EA

Stock No.
294001

THE NEXT PAGE (30-2) RESERVED FOR FUTURE USE.

NETWORK PROTECTORS AND BUS TIE SWITCHES

NETWORK PROTECTORS

216Y/125 Volt Transformer Mount, Submersible

Stock No.	Size - Amps
Δ332203	1600
Δ332204	1750
Δ332205	1875
Δ332206	2500
Δ332207	2825
Δ332208	3000
332209	3500

216Y/125 – 480Y/277 Volt, Transformer Mount, Submersible

Per City Light Matl. Std. 3322.0

Stock No.	Size - Amps
336205	1875‡
336207	2825

‡ With 800/1200/1600:5 multiple rated current transformers.

480Y/277 Volt, Transformer Mount, Submersible

Stock No.	Size - Amps	Matl. Std.
Δ334201	800	–
Δ334202	1200	–
Δ334203	1600	–
Δ334205	1875	–
Δ334207	2825	–
Δ334208	3000	–
334209	3500	3322.0
Δ334210	4500	–

480Y/277 Volt, Transformer Mount, Non-Submersible

Stock No.	Size - Amps
Δ334301	800
Δ334302	1200
Δ334303	1600
Δ334308	3000
334310	4500

BUS TIE SWITCHES

Network protectors modified for bus tie fire protection.

216Y/125 Volt, Wall Mounted, Submersible

Stock No.	Size - Amps
Δ332403	1600

216Y/125-480Y/277 Volt, Wall Mounted, Submersible

Per City Light Matl. Std. 3322.5

Stock No.	Size - Amps
335205	1875
335207	2825

216Y/120-480Y/277 Volt, Wall Mounted, Submersible, with Special Top Bushings

Per City Light Matl. Std. 3322.5

Stock No.	Size - Amps
Δ335605	1875
Δ335607	2825

480Y/277 Volt, Wall Mounted, Submersible

Stock No.	Size - Amps
Δ334403	1600

216Y/125 Volt, Wall Mounted, Non-Submersible

Stock No.	Size - Amps
Δ332503	1600

NETWORK PROTECTOR ACCESSORIES

RELAY, Network Protector

Solid state. For C-H type CM-22 or Richards type 313NP network protectors.

NOTE: not to be used for replacement of electromechanical relays or on network protectors with ungrounded current transformers.

Stock Unit: EA

Stock No.	Cutler-Hammer	ETI
331001	MPCV-2X 6417C83G03	521038

Δ CONTACT MATERIAL CONTROL FOR AVAILABILITY

POWER TRANSFORMERS

CONTACT MATERIAL CONTROL FOR AVAILABILITY

STOCK ITEMS

26Y/15 kV – 13.8Y/7.9 kV

kVA	Stock No.
5000 A	345588▲
7500 A	345592▲
10000	345594▲
12000	345595*
15/20/25 MVA	345596*
20 MVA	345597*

26Y/15 kV – 4.1Y/2.4 kV

kVA	Stock No.
1000	345472*
1500	345476*
2500	345480*
5000 A	345488♠
7500 A	345492♠
10 MVA A	345494♠

* City Light Matl. Std.: none
▲ City Light Matl. Std.: 0035.5
♠ City Light Matl. Std.: 0035.7

STATION TRANSFORMERS

(P-XXXXXX)

kV (nominal)	Phase	Stock No.
230	3	346000
133	1	347000
115	3	348000
66	1	349000

Stock Nos. apply to all MVA sizes for a given voltage. City Light Material Standards are not applicable because these transformers are ordered to state-of-the-art specifications at the time of new station construction.

SALVAGE RETURNS

Stock Number Reference

	Stock No.					
kVA	26 kV Δ 4.1Y/2.4 kV	26 kV Δ 13.8Y/7.9 kV	26Y/15 kV 480Y/277 V	26 kV Δ 480Y/277 V	26Y/15 kV 208Y/120 V	26 kV Δ 208Y/120 V
500	–	–	–	344260	–	–
750	–	–	345266	344266	345166	–
1000	344476	344572	345272	344272	–	344172
1500	–	–	345276	344276	–	–
2000	–	–	345278	–	–	–
2500	344480	344580	345280	–	–	–
3000	344482	–	–	–	–	–
5000	344488	–	–	–	–	–
6000	344490	–	–	–	–	–
7500	344492	344592	–	–	–	–

City Light Material Standards: none

TRANSFORMERS, UNDERGROUND

4160/7200Y, Single-Phase, X-Transformer

Description: Underground, oil-filled transformer.

Application: As of 2010, three of these transformers remain in service in the Seattle City Light system. The letter X denotes an old transformer that predates the system upgrade to 26kV. These units are no longer purchased or refurbished for reuse. When these units fail in service, they are scrapped and disposed of. Coordinate with engineering to provide a different type of transformer to restore service.

SCL Matl Std: none

Stock Unit: EA

kVA	120/240	Cut Straight 120/240
075	352134	352834
100	352136	352836
167	352142	352842

4160, Delta or Ungrounded T, Three-Phase, X-Transformer

Description: Underground, oil-filled transformer.

Application: As of 2010, fourteen of these transformers remain in service in the Seattle City Light system. The letter X denotes an old transformer that predates the system upgrade to 26kV. These units are no longer purchased or refurbished for reuse. When these units fail in service, they are scrapped and disposed of. Coordinate with engineering to provide a different type of transformer to restore service.

SCL Matl Std: none

Stock Unit: EA

kVA	208Y/120 or 208T/120
112	353838
150	353840
225	353846

SUBMERSIBLE TRANSFORMERS, REPLACEMENT ONLY

		Xfmr size →	***25 kVA***	***50 kVA***	***75 kVA***	***100 kVA***	***167 kVA***	***notes***
		Xfmr voltage ↓	secondary (secondary type: spade=S, lead=L, *italic=some have*)					
			stock number (*contact Material Control for availability), high use xfmrs in bold (e.g. **362142**)					
SY-Transformers 25564Y / 14760, 1Φ	**1 or 2 G&W "slip-on" or lead cable terminators No Matl. Std.**	**"Un-Cut" 1Φ Transformers:** The 363XXX series transformers are stocked normally "Un-Cut". These transformers are normally used for **REPLACEMENT**. They are not normally reordered and the stock levels are limited.						
		120/240	4 spade, *some 3 spade,*[5] *some 4 lead*					[5]with handhole in cover
			363122*	363132*	363134*	363136*	363142*	
		240/120	3 spade, won't cut to 120, no use for 120/240 3Φ.					*contact Mat. Control
			363222*	363232*	363234*	363236*	363242*	
		265 & 132/265	2 or 4 spade	2 or 4 spade	2 or 4 spade	2 or 4 spade	2 or 4 spade	
			363722*	363732*	363734*	363736*	363742*	
		277 & 138/277	2 or 4 spade	2 or 4 spade	2 or 4 spade	2 or 4 spade	2 or 4 spade	*contact Mat. Control
			363622*	363632*	363634*	363636*	363642*	
S-Xfmrs	**4160Y/2400,1Φ No Matl. Std.**	**S 1Φ Transformers:** 1 or 2 deadbreak elbow type bushings. These series 361XXX transformers are stocked normally cut for 120/240v.1Φ operation. 240/120v cannot be cut to 120v and cannot be used for 120/240v 3Φ. Used for **REPLACEMENT**.						
		120/240	4 lead, *some 3 lead, some 3 spade, some 4 spade*			4 spade, *3S*[6]		[6]with handhole
			361122*	361132*	361134*	361136*	–	*Mat. Control
		240/120	3 lead, *some 3 spade*			3 spade	3 spade	*contact Mat. Control
			361222*	361232*	361234*	361236*	361242*	
Miscel.		**1Φ Xfmr**, **2400,** stock no. 361832, 50 kVA, 120 volt straight, 1Φ (contact Material Control for availability), no Matl. Std.						

PADMOUNT TRANSFORMERS, REPLACEMENT ONLY

Application: These transformers are used as replacements only for dam and other supporting areas of the system that are not supplied by 26 kV. If one of these units is needed because a standard pad mounted transformer will not work, please contact Material Control to identify the unit's requirements and begin the ordering process.

MISCELLANEOUS PADMOUNTS, Boundary, Massachusetts St., and Skagit

Availability: Contact Material Control

SCL Matl Std: none

Stock No	kVA	Voltage	Use
375846	225	2400Δ - 240Δ	Skagit
375850	300	2400Δ - 208Y/120	Diablo
375430	45	7200Δ - 480Δ	Skagit
375132	50	7200Δ - 120/240, 3Φ	Skagit
375134	75	7200Δ - 240Δ	Newhalem
375140	150	7200Δ - 240/120Δ	Skagit
375834	75	7200Δ - 208Y/120	Skagit
375438	112	7200Δ - 480Y/277	Skagit
375440	150	7200Δ - 480Y/277	Skagit
375446	225	7200Δ - 480Y/277	Skagit
375450	300	7200Δ - 480Y/277	Skagit
375460	500	7200Δ - 480Y/277	Skagit
375218	15	7200/12470Y 240/120	Skagit
375232	50	7200/12470Y 240/120	Skagit
375234	75	7200/12470Y 240/120	Skagit
375236	100	7200/12470Y 240/120	Skagit
375334	75	7200/12470Y 480/240	Diablo
375580	2500	7200Δ - 7200Y/4160	Newhalem
375634	75	13800Δ - 120/240, 3Φ	Boundary
375434	75	13800Δ - 480Y/277, 3Φ	Boundary
375734	75	13250Δ - 208Y/120, 3Φ	Mass. St.
375760	500	13800Δ - 480Y/277	Boundary
374950	300	26Y/15 – 13800Y/7970	Floating Bridge

4160Y/2400, 1Φ, 1 or 2 Open H.V. Bushings

Description: Three spade secondary – no taps.

SCL Matl Std: none

Stock No	kVA	Voltage
371122	25	120/240 or 240/120
371126	37	120/240 or 240/120
371132	50	120/240 or 240/120
371134	75	120/240 or 240/120
371136	100	120/240 or 240/120

4160Δ, 3Φ, 3, Open H.V. Bushings

Description: Four spade secondary – no taps.

SCL Matl Std: none

Stock No	kVA	Voltage
372838	112	208Y/120
372840	150	208Y/120
372850	300	208Y/120
372860	500	208Y/120
372534	75	460Y/265
372538	112	460Y/265
372540	150	460Y/265
372550	300	460Y/265

SPECIALTY TRANSFORMERS

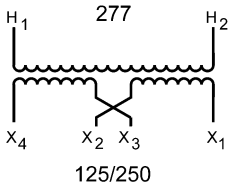
❖CONTACT MATERIAL CONTROL for AVAILABILITY

Unless otherwise noted the transformers on this page are not referenced in the City Light Material Standards.

1Ø DRY TYPE

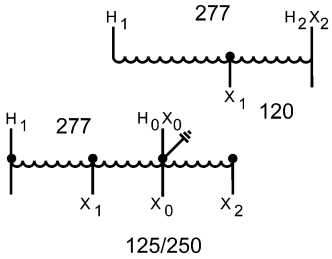
Dry Type, Outdoor
1 phase, 277/480Y-125/250V (with ±2 - 2-1/2% taps)

Stock No.	kVA	Mounting
390010❖	10	Wall or floor/pad mount
390015❖	15	
390042‡	25	
390041❖‡	37	
390044‡	50	
390289‡	75	floor/pad mount
390290‡	100	
390291❖‡	167	
390292‡	250	



Auto, Dry Type, Outdoor
✻ ✻ ✻ 1 Phase Applications Only ✻ ✻ ✻

Stock No.	kVA	Voltage
391286†	1.3	277-120
391285†	3	277-120 Vault Ltg.
391281❖	50	277-125/250
391282❖	75	277-125/250
391283❖	100	277-125/250
391288❖	167	277-125/250



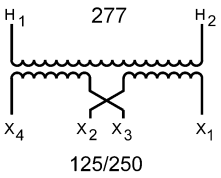
Other 1 Phase Dry Types

Stock No.	kVA	Voltage
390040❖	10	249/263/277-120/240V
390024	25	480-120/240 -5 & +10% taps
390032	50	480-125/250 ±2 - 2-1/2% taps
390036	100	480-125/250 ±2 - 2-1/2% taps
682608	0.25	240/480-120/240 Acme # T2-53007 (for fire Control Cabinet)
687730¥	0.1	277/125 See page 70-39

1Ø OIL FILLED

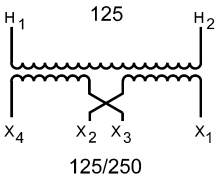
Specialty, Submersible
1 phase, 277/480Y-125/250V (with ±2 - 2-1/2% taps)

Stock No.	kVA
390048£	25
390049£	50
390050£	75
390051£	100
390055£	167



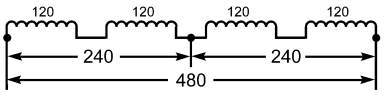
Specialty, Submersible
1 phase, 125/216Y-125/250V (with ±2 - 2-1/2% taps)

Stock No.	kVA
390001❖£	25
390002£	50
390004£	100
390005£	167



Auto, Outdoor, Pole Mount
1 phase, 240V to 480V
Shop made from line transformer

Stock No.	kVA	Mounting
391270❖	10	Pole/pad Mount
391271	25	

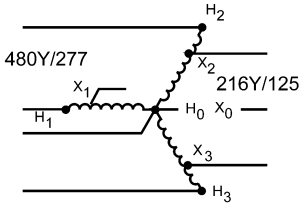


‡ City Light Matl. Std. 0039.3
† City Light Matl. Std. 4470.00
¥ City Light Matl. Std. 6877.3
£ City Light Matl. Std. 0039.0

3Ø DRY TYPE

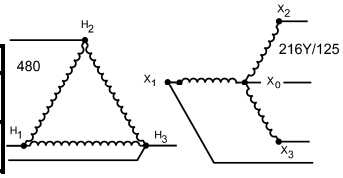
Dry Type, Outdoor
3 phase, 480Y/277-216Y/125V (or 208Y/120V non-standard) (with ±2 - 2-1/2% taps)

Stock No.	kVA	Mounting
390043‡	25	Wall or Floor/pad Mount
391287‡	30	
390045‡	45	
391289‡	75	
390047❖	100	
391290‡	112.5	
391430‡	150	Floor/pad Mount
391291‡	225	
391292‡	300	
391295‡	500	



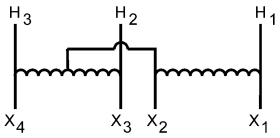
Dry Type, Outdoor
3 phase, 480 Delta -216Y/125V

Stock No.	kVA	Mounting
390836	25	Wall/pad Mount
390838	45	
390840❖	150	Floor/pad Mount
390846❖	225	



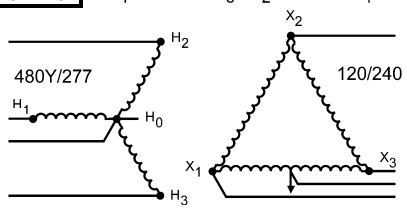
Auto, Dry Type, Outdoor
3 phase to 2 phase

Stock No.	kVA	Voltage 3φ to 2φ
390565	10	480 - 240
390567❖	15	240 - 240
390571	25	240 - 240



Other Dry Type, Outdoor
3 phase, 480Y/277-240 Delta

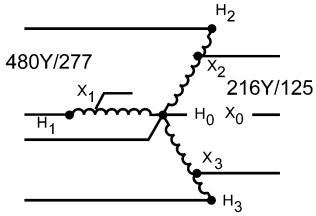
Stock No.	kVA
390520	9
390521	30



3Ø OIL FILLED

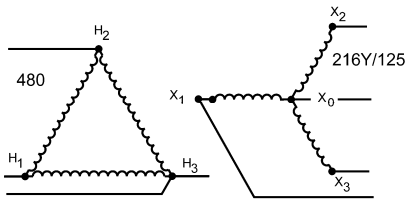
Specialty, Submersible
3 phase, 480Y/277-216Y/125V (or 208Y/120V non-standard) (with ±2 - 2-1/2% taps)

Stock No.	kVA
391124£	30
391130£	45
391134£	75
391138£	112.5
391140£	150
391146£	225



Specialty, Submersible
3 phase, 480 Delta -216Y/125V

Stock No.	kVA
391530❖	45
391534❖	75
391339❖	225



TRANSFORMERS – UNDERGROUND – EPOXY ENCAPSULATED

25564Y/14760, 1Æ, One 200 Ampere Bushing Well, SE – Transformers

Per City Light Matl. Std. 0026.2

Four, 6-foot, 500 kcmil cable secondary leads.

Transformer Size	120/240 Stock No.	120 Cut Straight Stock No.
100 kVA	366136	366836

OVERHEAD Y-TRANSFORMERS

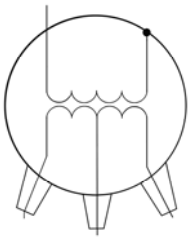
25564GRDY/14760, Single-Phase, Y-Transformer, Series-Connected Secondary Winding

Description: Standard pole-mounted, FR3-filled transformer.

Application: These transformers are commonly used to serve Seattle City Light customers in standalone single-phase and banked three-phase installations, including open-delta and wye configurations. These units make up more than 50 percent of transformers installed each year. See SCL Design Standard 9057.15 for secondary connection details.

SCL Matl Std: 4150.00

Stock Unit: EA



internal connection diagram

kVA	120/240	132/265	138/277	240/480	2400	1385/2400
15	355118	–	–	–	–	–
25	355122	–	355622	355322	355922	–
37.5	355126	–	–	–	–	–
50	355132	–	355632	355332	355932	–
75	355134	355734	355634	355334	355934	–
100	355136	355736	355636	355336	355936	–
167	355142	355742	355642	355342	355942	359942
250	–	–	–	–	355948	359948

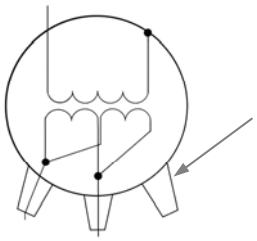
25564GRDY/14760, Single-Phase, Y-Transformer, Cut Straight Parallel-Connected Secondary Winding

Description: Standard pole-mounted, FR3-filled transformer.

Application: These transformers are commonly used to serve Seattle City Light customers in banked three-phase wye installations. These units make up almost 10 percent of transformers installed each year. See SCL Design Standard 9057.15 for secondary connection details.

SCL Matl Std: 4150.00

Stock Unit: EA



internal connection diagram

kVA	120/240	138/277	240/480
15	355818	–	–
25	355822	355422	355022
37.5	355826	–	–
50	355832	355432	355032
75	355834	355434	355034
100	355836	355436	355036
167	355842	355442	355042

OVERHEAD YL-TRANSFORMERS

25564GRDY/14760, Single-Phase, YL-Transformer

Description: Pole-mounted, FR3-filled transformer retrofitted in-house by Seattle City Light with a longer primary bushing.

Application: These transformers are commonly used in salt-spray areas to increase the creep distance of the primary bushing and thereby prevent flashover and nuisance outages. The letters "YL" denote a Y transformer retrofitted with a "long" bushing.

SCL Matl Std: none

Stock Unit: EA

long bushing

standard bushing

					Cut Straight Parallel Connected Secondary	
kVA	120/240	138/277	240/480	2400	120/240	138/277
15	356118	–	–	–	–	–
25	356122	356622	356322	356922	356822	–
37.5	356126	–	–	–	356826	–
50	356132	356632	356332	356932	356832	–
75	356134	356634	356334	356934	356834	–
100	356136	356636	356336	356936	356836	–
167	356142	356642	356342	356942	356842	356442

OVERHEAD TRANSFORMERS, REPLACEMENT ONLY

REPLACEMENT ONLY, 2400/4160Y, Single-Phase, No Letter Transformer

Description: Pole-mounted, mineral oil-filled transformer, refurbished by Seattle City Light.

Application: These transformers are used as replacements only for areas of the system that have not been updated to 26 kV. The absence of an identifying letter denotes an old transformer that predates the system upgrade to 26 kV.

SCL Matl Std: none

Stock Unit: EA

				Cut Straight Parallel Connected Secondary
kVA	120/240	132/265	240/480	120/240
10	351116	–	–	–
15	351118	–	351318	351818
25	351122	351722	351322	351822
37.5	351126	–	–	351826
50	351132	351732	351332	351832
75	351134	351734	351334	351834
100	351136	351736	351336	351836
167	351142	351742	351342	351842

PAD MOUNTED PM-TRANSFORMERS

25 564GrdY/14 760 or 26 400GrdY/15 242, Three-Phase, PM-Transformer

Description: Pad mounted, FR3-filled transformer.

Application: These transformers are installed on concrete pads and used to serve large Seattle City Light business customers when either overhead or submersible transformers are impractical or the customer requires more than 500 kVA of capacity. These units make up less than 10 percent of transformers installed each year.

SCL Matl Std: 4240.00

Stock Unit: EA

		Low Voltage	
kVA	High Voltage	208Y/120	480Y/277
75	25 564GrdY/14 760	–	374434
150	“	374840	374440
225	“	374846	374446
300	“	374850	374450
500	“	374860	374460
750	26 400GrdY/15 242	374866	374466
1000	“	374872	374472
1500	“	–	374476
2000	“	–	374478
2500	“	–	374480

25 564GrdY/14 760, Single-Phase, PM-Transformer

Description: Pad mounted, FR3-filled transformer.

Application: These transformers are installed on concrete pads and used to serve Seattle City Light customers in the rare case that overhead or submersible transformers are unworkable. These units make up less than one percent of transformers installed each year.

SCL Matl Std: 4220.00

Stock Unit: EA

kVA	240/120
25	373122
50	373132
75	373134
100	373136
167	373142

SUBMERSIBLE SY-TRANSFORMERS

25564GrdY/14760, Single-Phase, SY-Transformer, Series-Connected Secondary Winding

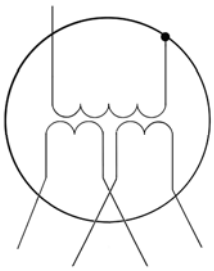
Description: Submersible, FR3-filled transformer.

Application: These transformers are commonly used to serve Seattle City Light customers in standalone single-phase and banked three-phase installations. These units are the second most common transformer type installed annually in the Seattle City Light distribution system. See SCL Design Standard 9057.15 for secondary connection details.

SCL Matl Std: 4320.00

Stock Unit: EA

kVA	120/240	138.5/277	133/266	240/480	2400
25	362122	362622	-	362322	362922
50	362132	362632	362732	362332	362932
75	362134	362634	362734	362334	362934
100	362136	362636	362736	362336	362936
167	362142	362642	362742	362342	362942



internal connection diagram

25564GrdY/14760, Single-Phase, SY-Transformer, Cut Straight Parallel-Connected Secondary Winding

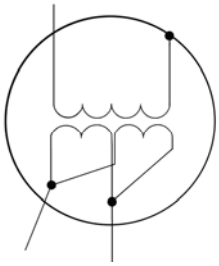
Description: Submersible, FR3-filled transformer.

Application: These transformers are commonly used to serve Seattle City Light customers in banked three-phase wye installations. These units are the second most common transformer type installed annually in the Seattle City Light distribution system. See SCL Design Standard 9057.15 for secondary connection details.

SCL Matl Std: 4320.00

Stock Unit: EA

kVA	120/240	138.5/277
25	362822	362422
50	362832	362432
75	362834	362434
100	362836	362436
167	362842	362442



internal connection diagram

SUBMERSIBLE CS-TRANSFORMERS

26400GrdY/15242, Three-Phase, CS-Transformers

Description: Submersible, FR3-filled transformer.

Application: These CS transformers are installed in vaults when a customer requires more than 500 kVA of capacity. For dry vaults, standard units with copper-bearing steel tanks should be installed. For wet below-grade vaults, stainless steel units should be installed. As of this publication, CS units make up a small percent of the transformers installed annually in the Seattle City Light distribution system.

SCL Matl Std: 4350.00

Stock Unit: EA

	Standard			Stainless Steel	
kVA	208Y/120	480Y/277	4160Y/2400	208Y/120	480Y/277
750	364866	364466	364966	365866	365466
1000	364872	364472	364972	365872	365472
1500	-	364476	364976	-	365476
2000	-	364478	364978	-	365478
2500	-	364480	364980	-	-

NETWORK S-TRANSFORMERS

13 750, 26 400, and 26 400GrdY/15 242, Three-Phase, S-Transformers

Description: Network, mineral oil-filled transformer.

Application: These transformers are installed in building vaults when a customer is in a Network area. As of this publication, S units make up a small percent of the transformers installed annually in the Seattle City Light distribution system.

SCL Matl Std: 4370.00

Stock Unit: EA

Downtown Network Area

			Low Voltage	
kVA	High Voltage	Type	216Y/125	480Y/277
500	13 750	ΔY	386460	386860
750	"	ΔY	386466	386866
1000	"	ΔY	-	386872
1500	"	ΔY	-	386876
2000	"	ΔY	-	386878
2500	"	ΔY	-	386880

University District Network Area

			Low Voltage	
kVA	High Voltage	Type	216Y/125	480Y/277
500	26 400	ΔY	389460	389860
750	"	ΔY	389466	389866
1000	"	ΔY	-	389872
1500	"	ΔY	-	389876
2000	"	ΔY	-	389878
2500	"	ΔY	-	389880

First Hill Network Area

			Low Voltage	
kVA	High Voltage	Type	216Y/125	480Y/277
500	26 400GrdY/15 242	Y Y	380560	380160
750	"	Y Y	380566	380166
1000	"	Y Y	380572	380172
1500	"	Y Y	-	380176
2000	"	Y Y	-	380178
2500	"	Y Y	-	380180

NETWORK TRANSFORMERS, REPLACEMENT ONLY

13 750, 26 400, and 26 400GrdY/15 242, Three-Phase, S-Transformers

Description: Network, mineral oil-filled transformer.

Application: These transformers are used as planned or emergency replacements only in building vaults where a customer can not be upgraded to a modern network transformer.

SCL Matl Std: none

Stock Unit: EA

Downtown Network Area

kVA	High Voltage	Type	Low Voltage 216Y/125	Low Voltage 480Y/277	Taps
750	13 200	**ΔY**	388466	-	6
1000	"	**ΔY**	386372	386972	-
1500	13 750	**ΔY**	-	386976	-
2000	"	**ΔY**	-	386980	-
500	14 400	**ΔY**	387360	-	4

University District Network Area

kVA	High Voltage	Type	Low Voltage 216Y/125	Low Voltage 480Y/277	Taps
500	26 400	**ΔY**	389560	389160	5
750	"	**ΔY**	389566	389166	5
1000	"	**ΔY**	389572	389172	5
1500	"	**ΔY**	-	389176	5
2000	"	**ΔY**	-	389178	5
2500	"	**ΔY**	-	389180	-
500	"	**ΔY**	-	389960	-
750	"	**ΔY**	-	389966	-
1000	"	**ΔY**	-	389972	-

University District Autotransformer

kVA	High Voltage	Type	Stock No	Taps
15000	25 608GrdY/ 14 785V	**YY**	380095	2

Spares

Spare No	kVA	High Voltage	Type	Stock No	Taps
S-3464 for 1001 4th Ave	2000	13 759V	**ΔY**	386878	5
S-3007 for First Hill	2000	25 400GrdY/ 15 242V	**YY**	380878	5

First Hill Network Area

kVA	High Voltage	Type	Low Voltage 208Y/120	Low Voltage 216Y/125	Low Voltage 480Y/277	Taps
500	26 400GrdY/15 242	**YY**	380260	380460	380860	5
750	"	**YY**	380266	380466	380866	5
1000	"	**YY**	380272	380472	380872	5
1500	"	**YY**	-	-	380876	5
2000	"	**YY**	-	-	380878	5
2500	"	**YY**	-	-	380880	5

40 meters and related

Kilowatt Hour Meters and Metering Transformers **1**

Meter Seals, Meter Base Adapters, Covers, Rings and Accessories **2**

Seattle City Light

STOCK CATALOG

KILOWATT HOUR METERS AND METERING TRANSFORMERS

METERS, KILOWATT HOUR

SCL Matl. Std.: none
Stock Unit: EA

Stock No.	Class	MCR Spec No.	Phase	Test Amps	Voltage
400005	100	M321.01S	single	15	–
400035	200	M431.02S	single	30	–
010103	100	M351.01S	single	–	480
012413	20	M26H.04S	single	–	120 to 480
011676	20	M239.04S	single	–	240
011677	20	M23D.04S	single	–	240
011678	200	M439.02S	single	30	240
011679	200	M43C.02S	single	30	240
400161	200	M461.12S	poly	30	120 to 480
012414	200	M46H.16S	poly	–	120 to 480
012433	200	M46H.12S	poly	–	120 to 480
012407	200	M46K.16S	poly	–	120 to 480
011680	20	M269.09S	poly	–	120 to 480
012434	20	M26H.45S	poly	–	120 to 480
400132	20	M263.04S	poly	2.5	120 to 480
012396	20	M26H.09S	poly	–	120 to 480
010105	20	M27E.09S	poly	–	85 to 330
010106	20	M28E.35S	poly	–	85 to 330

TRANSFORMERS, METERING

SCL Matl. Std.: none
Stock Unit: EA

Stock No.	MCR Spec. No.	Ratio	Voltage Class	Description
400620	C1CD.211	200 : 5	600	current; indoor/outdoor
400621	C1EC.211	400 : 5	600	current; indoor/outdoor
400622	C1FD.I25	500 : 5	600	current; indoor/outdoor
400630	CIKC.J24	1500 : 5	600	current; indoor/outdoor
011905	V617.405	120 : 1	25 kV	voltage, outdoor, no fusing
011907	CFC5.238	200 : 5	25 kV	current, outdoor, bar type

METER SEALS, METER BASE ADAPTERS, COVERS, RINGS AND ACCESSORIES

METER BASE ADAPTERS

Stock Unit: EA

Stock No.	MCR Spec. No.	Type
400221	MA4A.301	2A-2S
400222	MA4A.311	2A-2S
400223	MA4A.321	2A-2S
400224	MA5A.311	12A-S
400225	MA5A.321	12A-S
400226	MA6A.3C1	4A-4S
400227	MA8A-3C1	5A-5S

METER ADAPTER

A base to Socket, Polyphase (A base adapter for Form 10 S meter.)
Stock Unit EA

Stock No.	Eckstrom
400316	2100N-G2

METER RING, Socket

Socket sealing, stainless steel, snap type.
Stock Unit: EA

Stock No.
400209

METER RING, High Security

Socket sealing, stainless steel, Type F barrel lock. Per ANSI C12.7 and City Light Meter Spec. MA0R.011
Stock Unit: EA

Stock No.	Brooks
400210	Redi-Ring 2000

SEAL, Plastic Padlock

With 0.047" galvanized hasp.
Stock Unit: EA

Stock No.	Color	Brooks
400301	Blue	622
400302	Red	622
400303	Yellow	622

SEAL, Double Bar, Alum.

Stock Unit: EA

Stock No.	Color	Brooks
400304	Blue	3860800
400305	Yellow	3860800

COVERS, Meter Socket, SERVICE RESTORATION, TEMPORARY

Clear polycarbonate
Stock Unit: EA

Stock No.	Connects Both Load Legs to:	MCR Spec. No.	Eckstrom Cat. No.
454331	Left Line Leg	MA0C.002	TSJC-3B-L
454332	Right Line Leg	MA0C.003	TSJC-3B-R

COVERS, Meter Socket

Stock Unit: EA

Stock No.	Material	Mfgr. & Cat. No.
400204E	Plastic	Duncan Spec. 503
400310	Glass	Landis & Gyr 55876

COVERS, Meter

Replacement cover for Schlumberger CENTRON ® meters. Clear polycarbonate.
Stock Unit: EA

Stock No.	SchlumbergerSema Catalog No.
012263	442531-001

JUMPERS, Meter Socket

Stock Unit: EA

Stock No.	Eckstrom
400372E	9A-1730

BYPASS PLUG, Meter Socket

Stock Unit: EA

Stock No.	Eckstrom
400373	JC-4B

BOX, KEYLOCK, SECURITY

Stock Unit: EA

Stock No.	MCR SM.	Knox	Size, In.
400214	MAOE.0KS	1650	4x5x1-7/8D
400195	MAOE.1KS	3207	4x5x3-1/4D

50 poles and crossarms

Wood Poles **10**
Crossarms, Poles and Accessories **20**
Pole Protection **30**
Tower Obstruction Lights and Parts **45**

WOOD POLES

Wood poles are used in single-pole utility structures. The poles described herein are considered to be simple cantilever members subject to traverse loads only. In general, Class 1 poles should be used for any 3-phase construction regardless of wire size and Class 3 poles should be used for 1-phase, secondary, streetlight and guy pole construction. Other pole classes may be required when a pole loading analysis using O-Calc or similar pole loading programs determines a higher class of pole is needed.

Class 2 and Class 4 poles cited below are for historical purposes only and should not be ordered.

Class 2 and Class 4 poles have been determined to be redundant with Class 1 and Class 3 poles respectively, and therefore no longer necessary.

POLES, Douglas-Fir (DFCN)

Description: Full-length pressure treated with copper naphthenate.

SCL Matl. Std.: 5082.00

Issuance: EA

Length, ft	Stock Number Class 1	Class 2	Class H1	Class H2	Class 3
30	012904	–	–	–	012910
35	012905	–	–	–	012911
40	012906	–	–	–	012912
50	012907	–	012436	012449	012913
55	012908	–	012437	012450	
60	012909	–	012438	012451	
65	531065	532065	012439	012452	
70	531070	532070	012440	012454	
75	531075	532075	012441	012455	
80	531080	532080	012442	012456	
85	531085	532085	012443	012458	
90	531090	532090	012444	012459	
95	531095	532095	012445	012460	
100	531100	532100	012446	012462	
105	531105	532105	012447	012463	
110	531110	–	012448	012464	

POLES, Western Red Cedar (BTC)

Description: Butt- treated with copper naphthenate.

SCL Matl. Std.: 5072.00

Issuance: EA

Length, ft	Stock Number Class 1	Class 2	Class 3	Class 4
30	501030	502030	503030	504030
35	501035	502035	503035	504035
40	501040	011958	503040	–
50	501050	502050	503050	–
55	501055	502055	–	–
60	501060	502060	–	–

CROSSARMS, POLES AND ACCESSORIES

CROSSARM, Douglas-fir, Treated

Description: Pressure treated with copper naphthenate
Application: For overhead line construction
SCL Matl. Std.: 5400.00
Issuance: EA

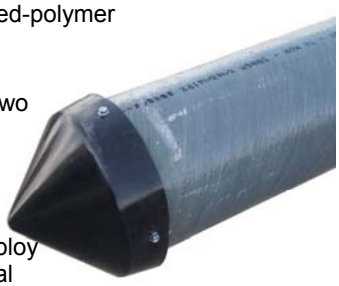
Stock No.	Arm Type	Pin Positions	Width, in	Height, in	Length, ft
540205	primary	4-pin	3-1/2	4-1/2	6
540146	primary feeder	6-pin	4-1/2	5-1/2	10
540220	26kV	8-pin	3-1/2	4-1/2	10
540209	wing	9-pin	3-1/2	4-1/2	11
540221	switch	none	4-3/4	5-3/4	12
540014	alley	none	4-3/4	5-3/4	14
540016	alley	none	4-3/4	5-3/4	16
540018	alley	none	4-3/4	5-3/4	18
540022	alley	none	4-3/4	5-3/4	22
541365	H structure brace	none	4	12	44

COMPOSITE POLE, Modular

Description: Composite utility poles are also known as fiberglass or fiber-reinforced-polymer (FRP) poles.

Application: Composite utility poles have at least two particular applications:

1) Back lot sites where material and tools must be packed in or where it is not economical to employ a large crane to lift material over a home or other structure, and



composite pole top

2) Wetlands or other environmentally sensitive areas where the use of treated wood poles should be avoided.

Engineer should review Material Standard before ordering.

SCL Matl. Std.: 5214.14
Issuance: EA

Stock No.	Description
013172	40-foot, class 1, assembly
013173	50-foot, class 1, assembly
013174	55-foot, class 1, assembly
013175	jacking lug
013176	climbing step
013177	climbing step hole plug

POLE, STEEL, Embedded

Application: For Cedar Falls 115 kV
SCL Matl. Std.: none
Issuance: EA

Stock No.	Class	Length, ft
550150	2	50

POLES, STUB, Guard, Red Cedar

SCL Matl. Std.: none
Issuance: EA

Stock No.	Length, ft
506010	10
506014	14
506016	16
506018	18

POLE PROTECTION

POLE LINER

Description: Laminate of 3 layers: polyethylene, copper foil, and Polyethylene Terephthalate (PET). Black.

Application: For use, with self adhesive Silicon Tape, as Barrier Protection System for wood utility poles.

SCL Matl. Std.: 5092.00

Stock Unit: RL

Stock No.	Nominal Width, in	Nominal Length, ft
012862	30	8
012863	38	10
012864	38	11
012865	42	13

SELF ADHESIVE SILCON TAPE

Description: Silicon material, self adhesive, black.

Application: For securing copper laminate pole liner to wood utility poles.

SCL Matl. Std.: 5092.00

Stock Unit: RL

Stock No.	Nominal Width, in	Nominal Length, ft
012940	4	10

TOWER OBSTRUCTION LIGHTS AND PARTS

LIGHT EMITTING DIODE (LED) STYLE, 20 Watts

Description: Red, LED style, beacon light. FAA type L-864. Product meets FAA and ICAO intensity requirements and generates no EMI/RFI. Light life is five years minimum. Power requirements are 120 VAC, 20 watts. Unit weighs 20 pounds and measures approximately 15″ x 15″ x 9″.

Application: For all new installations, beacon light may be used to mark any obstacle that poses a hazard to aircraft. It has special application for marking electric utility transmission line towers. For flashing capability, use beacon light in conjunction with non-stock control unit available from Communications. This beacon light replaces an older LED style, Stock Number 012772 and all xenon light technology.

SCL Matl. Std.: none

Standards File No.: 5675.05

Stock Unit: EA

Stock No.	Description	Dialight Corp. Catalog No.
013079	beacon light	D464-A13-001

LIGHT EMITTING DIODE (LED) STYLE BEACON LIGHT CONTROL UNIT

Description: Control unit containing flasher relay, circuit breakers for main and side tower lights, and one set of dry contacts.

Application: To add flashing capability to LED style tower obstruction lights, Stock Numbers 012772 and 013079.

SCL Matl. Std.: none

Stock Unit: EA

Stock No.: none, obtain from Communications

LIGHT EMITTING DIODE (LED) STYLE, 48 Watts, DO NOT PURCHASE

Description: Red, LED style, beacon light. FAA type L-864. Product meets FAA and ICAO intensity requirements and generates no EMI/RFI. Light life is five years minimum. Power requirements are 120 VAC, 122 watts. Unit weighs 50 pounds and measures approximately 24″ x 24″ x 24″.

Application: Beacon light may be used to mark any obstacle that poses a hazard to aircraft. It has special application for marking electric utility transmission line towers. This item is do-not-purchase; Stock Number has been retained for identification of existing facilities and possible returns to inventory. For new installations, specify 20 Watt version, Stock Number 013079.

SCL Matl. Std.: none

Standards File No.: 5675.05

Stock Unit: EA

Stock No.	Description	Dialight Corp. Catalog No.
012772	beacon light	D264-A13-001

XENON TUBE STYLE

Description: Xenon tube style, 120 VAC. Replacement xenon flashtube fits eight-pin sockets.

Controller diagram and details are depicted in Whelan Engineering drawing D26574. Control unit assembly is depicted in Whelen Engineering drawing D26575.

Application: These items are being retained for the maintenance of existing installations whose original application was marking obstacles that posed a hazard to aircraft. Use in conjunction with control unit, Stock Number 738380. Use new LED style light, Stock Number 013079, for new installations or when xenon replacement parts are difficult to locate.

SCL Matl. Std.: none

Standards File No.: 5675.10

Stock Unit: EA

Stock No.	Description	Whelen Engineering Catalog No.
568900	beacon light	0803152
568902	xenon flashtube	360211379000
738380	control unit	D26574/D26575

Deadends	***1***
Insulator Ties, Wire Guards, Lineguard & Armor Rod	***2***
Crossarm Braces and Insulator Pins	***4***
Brackets – Transformer, Cutout, Underground Terminal Pole and Switch	***5***
Transformer Cluster Mount Brackets	***6***
Roof Saddle	***7***
Pole Banding and Stubbing, Pole Gain	***8***
Anchors	***9***
Helical Anchors	***10***
Guy Materials & Pipe Braces	***11***
Grounding Materials	***13***
Bolts, Nuts and Cotter Keys	***14***
Bird Guard Gaskets	***78***
Wildlife Protection Products, Assorted	***80***
Split, Silicone Rubber, Insulating Hose	***82***
Self Amalgamating, Silicone Rubber, Insulating Tape	***84***
Bird Spikes	***86***

LINE MATERIALS – DEADENDS

CLAMPS, Service Neutral Wedge

Application: For deadending neutral messenger of service drops.
Per SCL Matl. Std.: 5813.3
Stock Unit: EA

Stock No.	Wire Range ACSR Max.	Wire Range ACSR Min.	Bail Length, in.
581340E	#2	#4	12
581342E	#1/0	#2	12
581344E	#4/0	#2/0	12

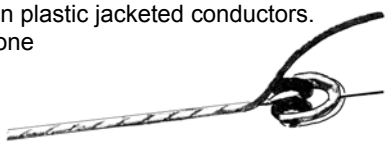
GRIP, DEADEND, Service, ACSR, Bare

Application: For deadending neutrals on 600 V triplex and quadruplex.
Per SCL Matl. Std.: none
Stock Unit: EA

Stock No.	Size	Manufacturers Fanner	Manufacturers Hubbell	Manufacturers Preform
565142	#2/0	90-ASBG	GSG-080	SG 4507
565143	#4/0	110-ASBG	GSG-0100	SG 4509

GRIP, DEADEND, Coated

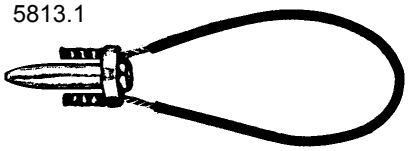
Application: For use on plastic jacketed conductors.
Per SCL Matl. Std.: none
Stock Unit: EA



Stock No.	Cond. Size	Length, in. Min.	Length, in. Max.	Manufacturers Dulmison	Manufacturers Preform
565132	#4/0	30	35	AND 1545	ND 0114

DEADEND, Cu, Automatic, With Coated Bail

Per SCL Matl. Std.: 5813.1
Stock Unit: EA



Stock No.	Cu Wire Size, AWG Solid	Cu Wire Size, AWG Stranded	Breaking Strength, lbs.
581308E	#4	#6	6,000
581310E	#2	#3	6,000
581315E	#2/0	#1/0	6,000
581320E	#3/0	#2/0	7,400
012509E	–	#4/0	12,600

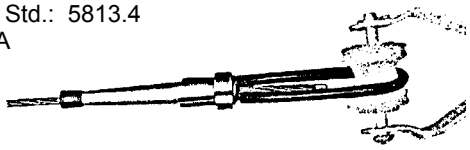
DEADEND, Cu, Automatic Feed-Through

Per SCL Matl. Std.: 5813.2
Stock Unit: EA

Stock No.	Cu Wire Size, AWG Solid	Cu Wire Size, AWG Stranded
581332E	#4	–
581333	#2	–
581334	–	#2/0
581335	–	#4/0
581337	–	300 kcmil

DEADEND, ASCR, Automatic, With Coated Bail

Per SCL Matl. Std.: 5813.4
Stock Unit: EA



Stock No.	ACSR Size	Bail Strands
581301E	#2	7
581302E	#1/0	19
581303E	#2/0	19
581304E	#4/0	19
581305E	336.4	19

LINE MATERIAL
INSULATOR TIES, WIRE GUARDS, LINEGUARD & ARMOR ROD

TIES, INSULATOR
Formed Alumoweld
Stock Unit: EA

Figure 1

Figure 2

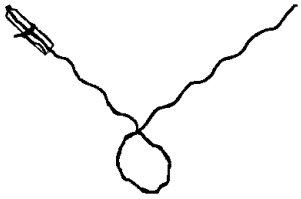
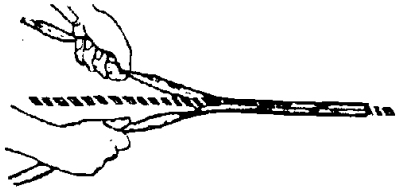


Figure 3

Stock No.	Type	Cond. Size, kcmil	O.D. Range, Inches	Figure	Approved Manufacturers		Application
					Dulmison/ Tyco	Preformed	
658950	Side	4/0	0.629 to 0.712	–	–	SPL-MS-9814	For tying 4/0 Al neutral wire to 1-3/4" diameter spool insulators.
658965	Top	397.5	–	2	LTF 1795	WTF-0222	For use on steel poles with 2-7/8" insulator neck diameters.
658979	Top	397.5	0.756 to 0.855	2	DTF 1920P	UTF-1211	–
658991	Side	397.5	0.668 to 0.755	1	DBST 1695	DBST-1108	For double arm installations.
658993	Side	397.5	0.668 to 0.755	3	STF 1695P	STF-1160-P	–
658981	Top	397.5	0.668 to 0.755	1	DSTCF 1695	DST-0158	For double arm installations.

WIRE GUARD, PLASTIC, PVC
Per SCL Matl. Std. 5651.13
Stock Unit: EA

Stock No.	Size	Length
565180E	1"	6'



LINEGUARD, Formed Aluminum
Per SCL Matl. Std. 6589.3
Stock Unit: ST

Stock No.	Conductor		
	Code	Size, kcmil	Dia., Inches
658935	Chickadee	397.5	0.743
658944	Mallard	795	1.140
658940	Arbutus	795	1.026
658946	Rail	954	1.165

ARMOR ROD, Formed
For protection or ACSR against vibration damage.
Per SCL Matl. Std. 6589.1
Stock Unit: ST

Stock No.	Conductor		Code	Armor Rod In.	
	Size, kcmil	Strands		Dia.	Length❖
658915	795	30 X 19	Mallard	0.310	100–S
658920	795	30 X 19	Mallard	0.310	124–D

❖ S + single, D = double

THE NEXT PAGE (56-3) RESERVED FOR FUTURE USE.

LINE MATERIAL – CROSSARM BRACES AND INSULATOR PINS

CROSSARM BRACES

Stock Unit: EA

Stock No.	Nominal Size	Figure	Material	SCL Material Standard
563005	32″	1	galvanized	5630.1
563013	5′	3	aluminum	5630.3
563015	9′	3	galvanized	5630.5
012504	12′	3	galvanized	5630.5
563010	72″	2	galvanized	5630.1
563019	72″	4	galvanized	5630.7

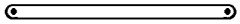


figure 1

figure 3

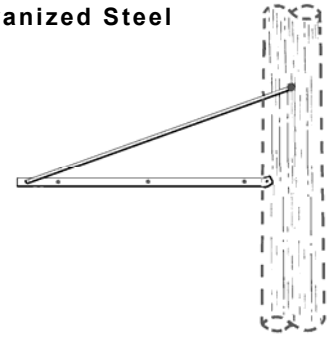
figure 2

figure 4

BRACKET, COMMUNICATIONS CABLE ATTACHMENT, Galvanized Steel

SCL Matl. Std.: 5631.1
Stock Unit: EA

Stock No.
010408



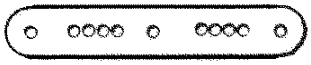
PINS, INSULATOR, Forged Steel, Galvanized

Description: One inch thread diameter
SCL Matl. Std.: 5671.1
Stock Unit: EA

Stock No.	Type
567105E	saddleback insulator

PLATE, DOUBLE AND QUADRUPLE ARMING, Galvanized Steel

Description: Hole size 13/16″
SCL Matl. Std.: 5826.7
Stock Unit: EA



Stock No.	Type	Size, in.
582665	double	1/2 x 2-1/2 x 25-5/16
582680	quadruple	1/2 x 2-1/2 x 30-5/16

WASHER, CENTERING

SCL Matl. Std.: 5843.5
Stock Unit: EA

Stock No.	Hole Size, in.	OD, in.
584375E	13/16	2-3/4

STRAP, SECONDARY RACK REINFORCING, Galvanized Steel

SCL Matl. Std.: 5833.9
Stock Unit: EA

Stock No.	Size, in.
583370E	1-1/2 x 19

SPACER, PIPE, Insulator Pin

Description: Shop made from standard weight 1-1/2″ water pipe
Application: For use with side mount insulator.
SCL Matl. Std.: none
Stock Unit: EA

Stock No.	Dimensions
583136	4-3/4″ long x 1-1/2″ diameter

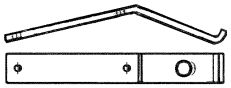
LINE MATERIAL BRACKETS – TRANSFORMER, CUTOUT, UNDERGROUND TERMINAL POLE AND SWITCH

Stock Units All Items: EA

ARRESTER BRACKET

Description: Mounting bracket, galvanized steel.
Application: Used to mount primary arresters to overhead distribution transformers located in back lot areas where heavy lifting equipment has restricted access. Bracket may also be used to mount an arrester directly to a pole. The basis behind this application is to reduce the failure rate of overhead transformers that are particularly difficult and consequently expensive to replace.
Manufacturer: Cooper Power Systems
Catalog No.: AM36A2
SCL Matl. Std.: none
Stock No.: 012775

SWITCH NUMBER BOARD BRACKET



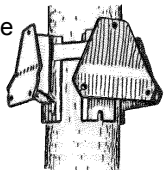
Application: For mounting number boards on switch poles.
SCL Matl. Std.: 5632.5
Stock No.: 563225

Underground Terminal Pole Items

POLE BRACKET, Cable Below

Application: Cable support below termination.
Manufacturer: Aluma-Form
Catalog No.: CS-820
SCL Matl. Std.: none
Stock No.: 563221

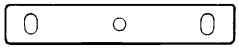
ARRESTER POLE BRACKET



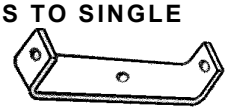
Application: 3Ø mounting of intermediate arresters. Also shown on page 70-45.
Manufacturer: Aluma-Form
Catalog No.: WBMA-3
SCL Matl. Std.: none
Stock No.: 720641

ARRESTER AND POTHEAD ADAPTER

Description: Refer to SCL drawing A-4759. Also shown on page 70-45.
SCL Matl. Std.: none
Stock No.: 720638

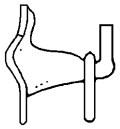


PARALLEL FEEDER CABLES TO SINGLE ARRESTER ADAPTER



SCL Matl. Std.: 5632.10
Stock No.: 563226

GROUND WIRE BRACKET



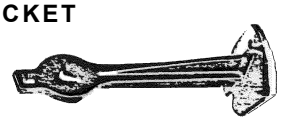
Application: For supporting ground wire clamp on transmission lines.
Manufacturer: Ohio Brass
Catalog No.: 82450
SCL Matl. Std.: none
Stock No.: 565005

TOOL HOOK, Line Sectionalizer, Load Break

Application: For using load break tools on sectionalizers.
SCL Matl. Std.: none, shop made
Stock No.: 565196

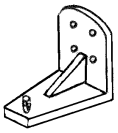
Cutout Mounting Brackets

POLE MOUNTING BRACKET



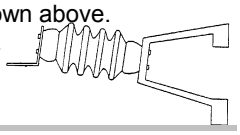
Application: Normal.
SCL Matl. Std.: 5632.3
Stock No.: 563222

POLE MOUNTING BRACKET, with Insulation



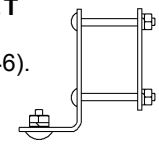
Application: Contaminated areas.
SCL Matl. Std.: 5632.2
Stock No.: 563224

POLE BRACKET ASSEMBLY



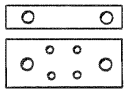
Description: Includes 563224 shown above.
Application: Contaminated areas.
SCL Matl. Std.: 5632.4
Stock No.: 563223

CROSSARM MOUNTING BRACKET



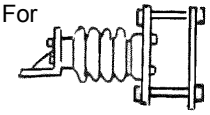
Description: Fits 5-1/2″ high by 4-1/2″ wide primary feeder arm (Stock No. 540146).
Application: For use with cutout Stock Nos. 682099 and 682047.
SCL Matl. Std.: 5632.12
Stock No.: 682097

CROSSARM MOUNTING BRACKET



Application: Contaminated areas.
SCL Matl. Std.: 5632.11
Stock No.: 563228

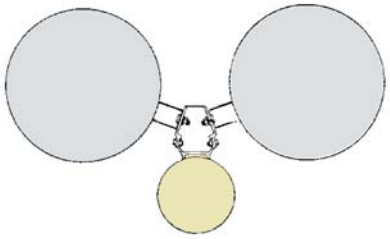
CROSSARM BRACKET ASSEMBLY

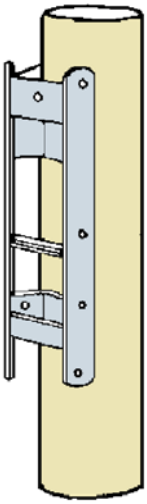


Description: Includes 563224 & 563228 shown above.
Application: Contaminated areas. For mounting on 10 ft 6 pin crossarm.
SCL Matl. Std.: 5632.11
Stock No.: 563227

TRANSFORMER CLUSTER MOUNT BRACKETS

TWO TRANSFORMER CLUSTER BRACKET





Description: Brackets are fabricated from steel channel or plate, hot-dipped galvanized per ASTM A153 and include four 3/4" and two 5/8" hot-dipped galvanized nuts, bolts, and lock washers for mounting transformers with type "A" or "B" lugs. The bracket also includes one lifting eye.

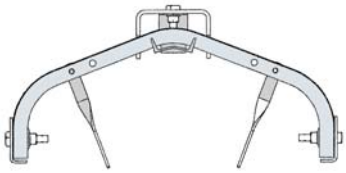
Application: These cluster mounting brackets are intended for mounting two transformers on a single bracket to a pole and are designed with a 200 percent safety factor for transformer weights of up to 4,000 lbs. each.

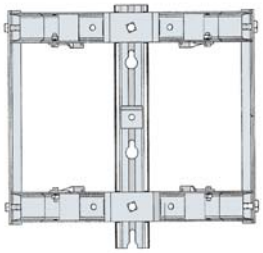
SCL Matl. Std.: 5632.91

Stock Unit: EA

Stock No: 563295

THREE TRANSFORMER CLUSTER BRACKET





Description: Brackets are fabricated from steel channel or plate. Steel brackets shall be galvanized after fabrication. Brackets are preassembled with nuts and bolts required to secure the transformers to the brackets.

Application: These cluster mounting brackets are intended for mounting up to a maximum of three, single phase, 250 kVA transformers on a single bracket to a pole. The mount is designed with a 200 percent safety factor for a total maximum transformer weight of 7,500 lbs.

SCL Matl. Std.: 5632.90

Stock Unit: EA

Stock No	Description
563294	mounting bracket
563291	sway brace for 563294
011959	replacement bolt kit

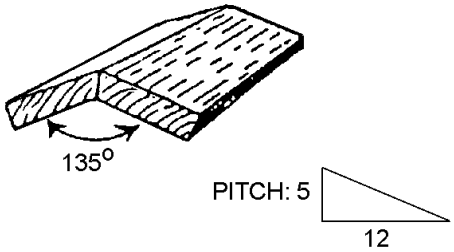
ROOF SADDLE

ROOF SADDLE, Wood

For residential roof clearances
For maintenance only
Per SCL Dwg. A-3729

Stock Unit: EA

Stock No.	**Length**
582910	24″



LINE MATERIAL, POLE BANDING AND STUBBING, POLE GAIN

BANDING AND SEALS, Pole Stubbing or Staying

Description: 2″ x 0.050″ galvanized
Application: for metal pole stub placement
SCL Matl. Std.: none

726861

726860

Stock No.	Item	Stock Unit	Approved Manufacturer and Catalog No.
726860	coil banding	CO	LWS, PEB2G85
726861	seals for 726860	EA	LWS, PEOS2GL

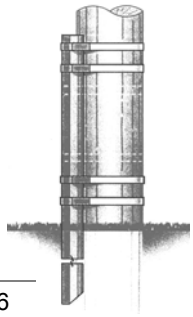
WASHER, Stubbing Band, Galvanized

Per SCL Drawing: A-3795
SCL Matl. Std.: none
Stock Unit: EA

Stock No.	Nominal Size, in
585200	2 x 3

POLE STAY, High Tension Steel, Galvanized

Application: For temporary repair of any pole or permanent repair to poles as large as 60 feet, Class 1.
SCL Matl. Std.: none
Stock Unit: EA



Stock No.	Approved Manufacturer and Catalog No.
563055	LWS, Pole Enforcer®, 10-11-6

POLE GAIN, Lime, Galvanized

SCL Matl. Std.: 5653.1
Stock Unit: EA

Stock No.	Size, in	Bolt Hole, in
565313	4 x 5	11/16 x 2

DOWEL, 3″ x 1/2″ Hardwood

Description: copper naphthenate treated
Application: plugging drilled holes
SCL Matl. Std.: none
Stock Unit: EA

Stock No.	Type
720737	chamfered on one end

LINE MATERIAL – ANCHORS

ANCHOR, CROSS-PLATE

Application: Cross-plate anchors are used to create attachment points to the earth, typically for connecting down guys.

Cross-plate anchors are used in areas where the equipment necessary to install screw anchors cannot gain access.

The ultimate holding capacity of an anchor is heavily dependent on soil type and condition.

Cross-plate anchors are made for installation in holes drilled by power diggers. Because the size of the hole does not affect holding capacity, the hole can be dug by the same auger that is used to dig the pole holes on transmission projects.

Cross-plate anchors are installed in a diagonal bored hole which is undercut so the anchor is at right angles to the guy. A rod trench is either cut with a trenching tool or drilled with a small power auger. Both anchor and rod trench should be refilled and tamped.

Stock number does not include rod.

Refer to pertinent design standards and manufacturer's literature for more information.

SCL Matl. Std.: 5622.17

Stock Number: 562058

Stock Unit: EA

ANCHOR, PLATE, Manta Ray

Application: Manta Ray anchors are used to create attachment points to the earth, typically for connecting down guys.

The ultimate holding capacity of an anchor is heavily dependent on soil type and condition.

After driving the anchor to the required depth, the driving tool (called drive steel) is removed. The anchor is then tipped and proof tested with a locking kit from its edgewise-driving position to present its bearing area to the soil. This is called "load locking" and provides an immediate proof test of each anchor.

In some applications, Manta Ray anchors are driven into the soil with a 90 lb. pavement breaker and coupled drive steel. Pneumatic or hydraulic breakers are acceptable, but a 90 lb. weight class breaker is necessary.

Use with round rod extension, Stock Number 562096, and triple eye nut, Stock Number 565274.

Refer to pertinent design standards and manufacturer's literature for more information.

SCL Matl. Std.: 5622.24

Stock Number: 562050

Stock Unit: EA

LINE MATERIAL – HELICAL ANCHORS

HELICAL ANCHORS AND ACCESSORIES

Description: Single, double and triple helix anchors, square and round rod extensions and other accessories.

Application: Helical anchors are also known as helix or screw anchors. Individual helixes are known as flights.

Helical anchors and accessories are used to create attachment points to the earth, typically for connecting down guys.

The ultimate holding capacity of an anchor is heavily dependent on soil type and condition

More than 50 years ago, Chance, now a division of Hubbell Power Systems, developed an anchor system called PISA® which stands for power installed screw anchor. Years later, Earth Contact Products developed an equivalent system called PITA, which stands for power installed torque anchor. PISA® and PITA components should be interchangeable.

Round rod extension coupling, stock number 562110, may be used with single helix or Manta Ray anchors.

Double and triple helix anchors, stock number 012185 and 562043 respectively, are provided with triple eye guy adapters.

Refer to pertinent design standards and manufacturer's literature for more information.

SCL Matl. Std.: 5622.33

Stock Unit: EA

ANCHOR, SINGLE HELIX, Screw

Stock Number	Diameter, in	Torque Rating, ft-lbs
562030	06	10,000
562028	12	15,000

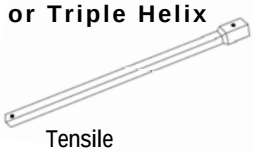
ANCHOR, DOUBLE HELIX, Screw

Stock Number	Tensile Strength, lbs	Torque Rating, ft-lbs
012185	70,000	7,000

ANCHOR, TRIPLEX HELIX, Screw

Stock Number	Tensile Strength, lbs	Torque Rating, ft-lbs
562043	70,000	7,000

ROD EXTENSION, SQUARE, 1-1/2-INCH, for Double or Triple Helix

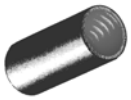


Stock Number	Length, ft	Tensile Strength, lbs
562102	5	70,000

ROD, ROUND, 1-Inch, for Single Helix

Stock Number	Length, ft	Tensile Strength, lbs
562090	1.5	36,000
562096	3.5	36,000

COUPLING, Rod Extension



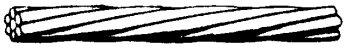
Stock Number	Rod Size, in	Tensile Strength, lbs
562110	3/4 or 1	23,000/ 36,000

NUT, Triple Eye, Galvanized

Stock Number	Tensile Strength, lbs
565274	23,000/ 36,000

LINE MATERIAL
GUY MATERIALS & PIPE BRACES

GUY WIRE, Al. COVERED, Stranded
Per City Light Mat'l. Std. 5664.1
Stock Unit: FT

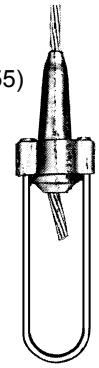


Stock No.	Dia. Inches	Breaking Strength Pounds	Packaging
566406	5/16 (10M)	10,000	Coil
566407	5/16 (10M)	10,000	Reel
566408	7/16 (20M)	20,000	Coil
566409	7/16 (20M)	20,000	Reel
566410	9/16	34,290	Coil
566425	0.486	22,730	Coil

GUY WIRE, GALV. IRON, Solid
For line maintenance and steel workers
Stock Unit: CO

Stock No.	Wire Size No.
566009	9
566012	12
566014	14

DEADEND, AUTOMATIC, GUY, Feed-Thru
For terminating aluminum covered guy wire.
Per City Light Mat'l. Std. 5650.3 (except 565055)
Stock Unit: EA



Stock No.	Wire Size. Inches	Bail Length Inches
565053	1/4	4-3/4
565048E	5/16	4-5/8
565049E	5/16	9-5/8
565051	7/16	6-3/4
565052	7/16	14
565055	9/16	17

GRIPS, GUY WIRE, Alumoweld®
Per City Light Mat'l. Std. 5651.4
Stock Unit: EA

Stock No.	Wire Size. Inches	Breaking Strength Pounds
565122E	5/16	10,270
565124E	7/16	20,000
565126	9/16	34,290

SPLICE, AUTOMATIC, GUY, FULL TENSION
For aluminum covered steel strand.
Per City Light Mat'l. Std. 5653.4
Stock Unit: EA

Stock No.	Strand Dia. Inches
565337	0.270 to 0.315
565338	0.392 to 0.455
010699	0.455 to 0.520

PLATE, POLE EYE
Per City Light Mat'l. Std. 5651.15
Stock Unit: EA

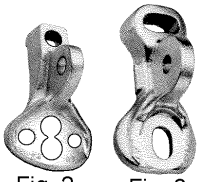
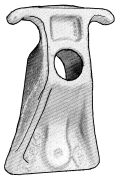


Fig. 2 Fig. 3

Stock No.	Figure	Working Load, Lbs.	Bolt Size, Inches	Pin Size, Inches
565198	2	20,000	3/4	3/4
565199	3	30,000	7/8 or 1	7/8

GUY HOOK, Spur Type
Per City Light Mat'l. Std. 5651.15
Stock Unit: EA

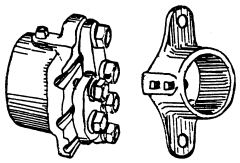


Stock No.	Bolt Dia. Inches	Max. Strand Size Inches
565195E	3/4	1/2

GUY MARKER, Plastic
Per City Light Mat'l. Std. 5651.8
Stock Unit: EA

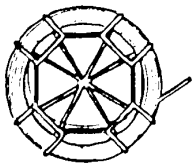
Stock No.	Length Feet
565168E	8

SIDEWALK GUY FITTINGS
Per City Light Mat'l. Std. 5650.1
Use with water pipe —
Stk. No. 710370.
Stock Unit: EA



Stock No.	Item	Pipe Size Inches
565054	Guy Clamp	2-1/2
565105	Pole Plate	2-1/2

DISPENSER, GUY WIRE
For dispensing coiled guy strand.
Stock Unit: EA

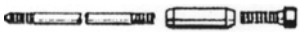


Stock No.	Preformed Cat. No.
761355E	SGD 0700

THE NEXT PAGE (56-12) RESERVED FOR FUTURE USE.

LINE MATERIAL
GROUNDING MATERIALS

GROUND RODS & FITTINGS, Copper
SCL Matl. Std.: 5642.1
Stock Unit: EA



Stock No.	Item	Dia., inches	Length, Feet
564235	Rod	5/8	5
564238E	Rod	5/8	8
564260	Rod	3/4	10
564074	Coupling	5/8	–
564075	Coupling	3/4	–
564604	Stud	5/8	–
013282	Stud	3/4	-

STAPLES, MOULDING
SCL Matl. Std.: 5832.9
Stock Unit: EA

Stock No.	Dimensions – inches			Finish
	Length	Width	Dia.	
583200E	2	1/2	0.1620	Galvanized
583261E	2	1/2	0.1620	Cu covered

Also shown on page 78-5.

GROUNDING STRAP, Perforated Copper
For Grounding to pipe or rod.
Stock Unit: RL

Stock No.	Width, Inches	Length, Feet	Thickness, Inches
564670	3/4	10	0.050

MOULDING, GROUND WIRE, Plastic
SCL Matl. Std.: 5820.5
Stock Unit: EA

Stock No.	Size, Inches	Length, Feet
582060E	1/2	8
012980E	3/4	8

LINE MATERIAL, BOLTS, NUTS AND COTTER KEYS

BOLTS, DOUBLE ARMING, Galvanized

SCL Matl. Std.: 5605.1

Stock Unit: EA

Stock No.	Diameter, in	Length, in
560518E	5/8	18
560520E*	5/8	20
560522E	5/8	22
560524E	5/8	24
560526E	5/8	26
560528E	5/8	28
560530E	5/8	30
560532E	3/4	32

* also shown on page 57-10

BOLTS, OVAL EYE, Galvanized

SCL Matl. Std.: 5610.1

Stock Unit: EA

Stock No.	Diameter, in	Length, in
561010	1/2	10
561106	5/8	6
561108	5/8	8
561110	5/8	10
561112E	5/8	12
561114	5/8	14
561116	5/8	16
561118	5/8	18
561120	5/8	20
561122	5/8	22
561210	3/4	10
561212	3/4	12
561214	3/4	14

COTTER PIN, Humpback, Stainless Steel

Application: Humpback cotter pins are used to secure a variety of spools and shackle pin assemblies. Stock Number 013060 is used in 3/16-inch diameter holes. Stock Number 582528 is used in 7/32-inch diameter holes.

Humpback cotter pins are limited for use in pin chambers of 5/8 inch depth and less.

SCL Matl. Std.: 5825.90

Stock No.	Width, Nominal, in
013060	1/8
582528	5/32

COTTER PIN, Brass

Application: for general use

SCL Matl. Std.: none

Stock Unit: EA

Stock No.	Size, in	Length, in
582521	1/8	1

EYE NUTS, Galvanized

SCL Matl. Std.: 5652.1

Stock Unit: EA

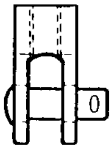
oval eye

Stock No.	Nut Type	Bolt Diameter, in
565252E	oval eye	5/8
565254E	oval eye	3/4
565258E	strand eye	5/8
565260E	strand eye	3/4
565266E	twin eye	3/4

CLEVIS NUTS, Galvanized

SCL Matl. Std.: 5652.5

Stock Unit: EA



Stock No.	Bolt Diameter, in
565280	5/8

BIRD GUARD GASKETS

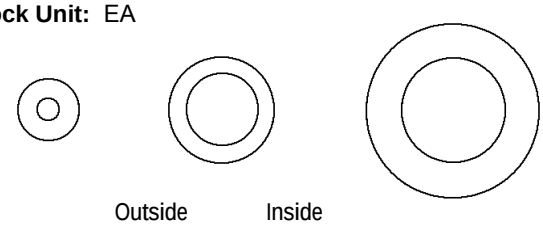
GASKETS, Bird Guard

Description: Silicone sponge rubber

Application: Gaskets are used to fill gaps between bird guards and porcelain high-voltage bushings.

SCL Matl. Std.: 6862.7

Stock Unit: EA



Stock No.	Outside Diameter, in	Inside Diameter, in	Thickness, in
686231	1-7/8	1-1/4	1/8
686232	1-7/8	1-1/4	1/4
686233	1-7/8	1-1/4	1/2
686234	3-1/8	1-7/8	1/8
686235	3-1/8	1-7/8	1/4
686236	3-1/8	1-7/8	1/2

Seattle City Light

STOCK CATALOG

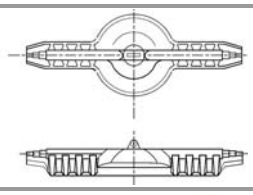
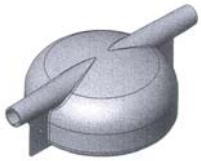
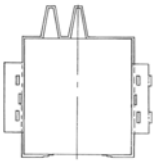
WILDLIFE PROTECTION PRODUCTS, ASSORTED

Description: Assorted designs made from various track resistant, UV resistant, insulating materials

Application: Products are intended to cover a variety of exposed high-voltage parts commonly found on the 26.4 kV, overhead distribution system for the purpose of protecting small birds, such as crows and pigeons, and other wildlife from electrical shock.

For more information, refer to Construction Standard 0072.01 – "Avian and Wildlife Protection, Small Birds and Animals."

SCL Matl. Std.: 6910.10
Stock Unit: EA

Stock Number	Description	
013038	Raptor protection cover, single arm/pin construction	
013039	Raptor protection cover, double arm/pin construction	
013040	Line and insulator protector, single pin/arm	
013041	Pin insulator cover	
013042	Cutout cover, Kaddas	
013043	Wildlife connector cap	
580776	Wildlife guard, hinged, polypropylene, gray	

SPLIT, SILICONE RUBBER, INSULATING HOSE

INSULATING HOSE, Split, Silicone Rubber

Description: Gray, track resistant, UV resistant, split, silicone rubber insulating hose.

Application: Insulating hose is used to cover bare, high-voltage leads and jumpers for the purpose of protecting small birds and other wildlife from electrical shock.

For more information, refer to Construction Standard 0072.01 - Avian and Wildlife Protection, Small Birds and Animals.

SCL Matl. Std.: 6910.30
Stock Unit: FT

Stock No.	Conductor Diameter Use Range, in	Application
013044	up to 0.45	#4 AWG - 2/0 AWG
013045	0.50 - 0.75	3/0 AWG - 336.4 kcmil
013046	0.75 - 1.00	397.5 kcmil - 636 kcmil
013047	1.00 - 1.20	666.6 kcmil - 954 kcmil

SELF AMALGAMATING, SILICONE RUBBER, INSULATING TAPE

SELF AMALGAMATING, SILICONE RUBBER, INSULATING TAPE

Description: Gray, track resistant, UV resistant, self amalgamating, silicone rubber, insulating tape, 2-inch wide x 36 foot long rolls.

Application: Self amalgamating, insulating tape is used to cover exposed, high-voltage conductor, bus, and fittings for the purpose of protecting small birds and other wildlife from electrical shock.

For more information, refer to Construction Standard 0072.01 - Avian and Wildlife Protection, Small Birds and Animals.

SCL Matl. Std.: 6910.40
Stock Unit: RL
Stock Number: 013048

BIRD SPIKES

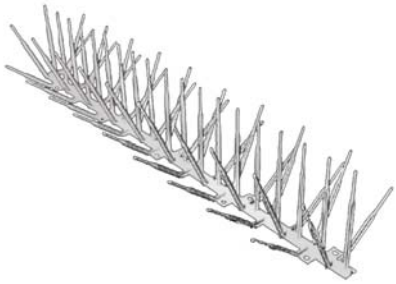
PLASTIC BIRD SPIKES

Description: Light gray, UV stabilized polycarbonate, 7-inch coverage x 2-foot section.

Application: Plastic bird spikes can be installed on ledges, conduit, large flat surfaces, and nesting areas to deter pigeons, crows and seagulls from landing and roosting near high voltage lines or equipment. Product is non-conductive and may be installed on overhead distribution cross arms.

For more information, refer to Construction Standard 0072.01 - Avian and Wildlife Protection, Small Birds and Animals.

SCL Matl. Std.: 6912.07
Stock Unit: EA
Stock Number: 013049



Streetlight Poles – Aluminum Standards (Poles)	***1***
Streetlight Poles	***2***
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STREETLIGHT POLES - ALUMINUM STANDARDS (POLES)

Arterial Aluminum Poles

Stock No.	Mount. Height	Length	Bolt Circle	Bolts	Arm Type	Fig.	MatL. Std.	Approved Manufacturer	Cat. No.	Notes
573979	25´	19´-8″	11-1/2″	4	davit	2	none	Hapco	41-079	▲
573984	25´	23´	11-1/2″	4	mast	3	5739.8	Lexington	2300458087T4	–
573981	30´	24´-8″	11-1/2″	4	davit	2	none	Hapco	41-158	▲
573977	35´	–	11-1/2″	4	angle	1	none	Hapco Dwg.	B-52513	includes 6 foot angle arm
								Lexington	340845806T4	
573978	35´	29´-8″	11-1/2″	4	davit	2	none	Hapco	41-232	▲
573986	35´	33´	11-1/2″	4	mast	3	5739.8	Lexington	3300458087T4	–
573985	35´♥	30´	11-1/2″£	4	mast	3	5739.8	Hapco	B73558	for use on transformer base #570210
								Lexington	310745808T4	

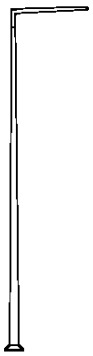


Fig. 1

▲ Requires one of the davit arms: 6-foot, 573752; 10-foot, 573754; 12-foot, 573756.
♥ Height when mounted on transformer base. £ Transformer base diameter is 15″.
Note: The above poles are supplied without anchor bolts. Use Stock No. 568056.

Residential Aluminum Poles

Stock No.	Mounting Height	Length	Bolt Circle	Bolts	Fig.	Color or Finish	MatL. Std.	Approved Manufacturer	Cat. No.	Notes
573989	12´-6″	–	9″	4	none	bronze	none	Gardco	(Form 5)S	octagon
573987	14´	–	10″	4	3	satin Al	none	Hapco	1893-14	pedestal base, 12″ H
573994	14´	14´	9″	3	3	satin Al	5739.10	Hapco	A55-142	–
						black	5739.10	Hapco	A55-142-P1	–
573998	17´	17´	9″	3	3	satin Al	5739.10	Hapco	A53-764	3″ max.
573988	19´	19´	9″	3	3	satin Al	5739.10	Hapco	A53-985	–
012179	19´	19´	9″	3	3	black	5739.10	Hapco	A53-985-P1	–
573995	19´	19´	9″	3	3	bronze anodized	5739.10	Hapco	A53-985	–
573972	20´	–	8-1/2″ to 9-3/4″	4	none	satin Al	none	Lexington	2000-40406QH	4″ square pole hinged base, side mount
573991	20´	–	9″	4	none	bronze	none	Gardco	CA5-20L-BRA	Drill holes to mount Gardco Form 10, EH-1413.
011968	12´	12´	9″	4	none	per P.O.	none	Lumec	P134A-LMS 13464-A-12	
011969	14´	14´	9″	4	none	per P.O.	none	Lumec	P134A-LMS 13464-B-14	
011970	12´	12´	9″	4	none	per P.O.	none	Zed/Lumec	APR4F-12	
011971	14´	14´	9″	4	none	per P.O.	none	Zed/Lumec	ARP4F-14	

Fig. 2

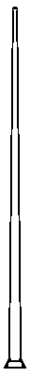


Fig. 3

Note: The above poles are supplied without anchor bolts. Use Stock No. 568056.

STREETLIGHT POLES

STEEL STANDARDS (POLES)

Stock No.	Mounting Height, ft.	Length, ft.	Approved Manufacturers			SCL Material Standard
			IUSI	Valmont	West Coast Engineering (WCE)	
010395	25	30	30S3	DP30-3B	WCE 30-16 Sided TAP-DB-G-CC	5744.0
010396	34	40	40S4	DP40-3B	WCE 37-16 Sided TAP-DB-G-CC (37´)	5744.0

FIBERGLASS

Stock No.	Mounting Height, ft.	Length	Bolt Circle, in.	No. of Bolts	Top Diameter, in.	Color or Finish	Notes	Approved Manufacturer, Whatley	SCL Material Standard
573806	25	29´	DB	DB	mast arm	gray	–	–	5745.0
573809	35	40´	DB	DB	mast arm	gray	–	–	5745.0
573973	35	34´	11–1/2	4	mast arm	gray silver	–	–	5745.0
574030	12	11´–6˝	9 to 11	4	3	pole, gray base red	International District	OA507–11.5–SP–3 N6	–
573600	12	17´–2˝	DB	DB	3–1/2 x 14	*Sherwin Williams F63 BXG 188r*	Broadmoor	OE–409–12–SP–4	–
573818	16	20´	DB	DB	mast arm	dark bronze	square tapered	–	5743.0
573820	20	24´	DB	DB	mast arm	dark bronze	square tapered	–	5743.0
573822	25	29´	DB	DB	mast arm	dark bronze	square tapered	–	5743.0

CONCRETE STANDARDS (POLES)

Stock No.	Mounting Height	Length	Top Dia., in.	Color	Finish	Centrecon Cat. No.
574003	15´-6˝	–	2-7/8	Green	natural sand blasted	SEO-5T-413
574004	19´	–	2-7/8	Grey	natural sand blasted	SEO-6T-113
574007	22´-3˝	–	2-7/8	Grey	natural sand blasted	SEO-7T-113
574010	20´	–	2-7/8	White	polished terrazzo	SEO-5T-222
574020	–	13´-9˝	–	–	(International District, 1977)	SID313

CHIEF SEATTLE ORNAMENTAL POLES (STANDARDS)

Stock No.	Length, ft.	Material	Drawing No.	Application
569518	18	galvanized and powder coated fluted steel	City Light Drawing D-41035 rev. 0	For use with 3-globe fixtures
569530	26	galvanized and powder coated fluted steel	City Light Drawing D-41035 rev. 0	For use with Aladdin arm assembly
569531	31	galvanized and powder coated fluted steel	City Light Drawing D-41035 rev. 0	For use with Aladdin arm assembly (used on Alaskan Way)

the next page (57-3) reserved for future use

STREETLIGHT ARMS

BRACKET ARM, Aluminum, Luminaire Support

For wood poles.
Maximum luminaire weight 50 lbs.
Per SCL Matl. Std. 5705.1
Stock Unit: EA

Stock No.	Length, Feet	Rise, Inches
570501	3-1/4	12
570502	6	24
570503	8	24
570507	10	48

BRACKET ARM, Aluminum, Luminaire Support

For metal poles.
Maximum luminaire weight 76 lbs.
Per SCL Matl. Std. 5705.2
Stock Unit: EA

Stock No.	Length, Feet	Rise, Inches
570525	4	30
570526	6	30
570527	8	30
570528	10	30

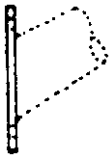
BRACKET ARM, Davit Type, Al, Hapco, Type 41

Used with Al Poles, Stock Numbers 573978, 573979 and 573981.
Stock Unit: EA

Stock No.	Length, Feet
573752	6
573754	10
573756	12

BRACKET ARM, Aluminum, Luminaire Support

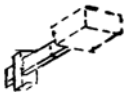
For alley wall mounting and for square poles.
Per SCL Matl. Std. 5705.3
Stock Unit: EA



Stock No.	Length, Feet	Rise, Inches
570512	3-1/4	12

ARM, Bronze

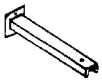
For 100 watt HPS luminaire.
Stock No. 572415
Stock Unit: EA



Stock No.	Size, Inches	MCW Cat. No.
573775	6-1/4	SJ-BC 6-1/4
573777	24 front, 6 rear	SJ-BC 24

BRACKET, Floodlight Mounting

Galvanized steel.
Used where no crossarm is available.
Stock Unit: EA



Stock No.	Length, Inches	Western Power Products	Graybar
568044	20	LB-4	GBI3090L

BRACKET ARM, for Valmont V Type Poles

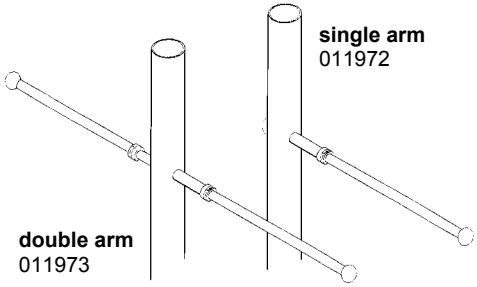
Aluminum
Stock Unit: EA

Stock No.	Length, Feet	Valmont
570548	6	DS32ARM-329A060-RF-CP-GV-S

PLANTER / BANNER ARM, Lumec/Zed Pedestrian Poles

Aluminum
Stock Unit: EA

Stock No.	Length, Inches	Description	ZED/ Lumec
011972	16	SA (Single Arm)	PSS-16
011973	16	DA (Double Arm)	PSD-16



THE NEXT PAGE (57-5) RESERVED FOR FUTURE USE.

STREETLIGHT POLE FOUNDATIONS AND BASES

FOUNDATION, STREETLIGHT POLE, ARTERIAL, CONCRETE

Stock Unit: EA

Stock. No.	No. & Size of Bolts	Bolt Circle	Bolt Projection	Usage	Mfgr. & Cat. No..
568028	Four 1”	11-1/2"	3”	–	Utility Vault 5 CL - LB
568029	Four 1”	14-1/2"	3-1/2"	For transformer base	Utility Vault 4-LB

FOUNDATION, STREETLIGHT POLE, RESIDENTIAL, CONCRETE

Stock Unit: EA

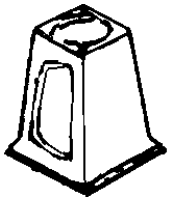
Stock. No.	No. & Size of Bolts	Bolt Circle	Bolt Projection	Mfgr. & Cat. No..
568025	Four 3/4”	9"	3”	Utility Vault 4CL-LB
568026	Three 3/4”	9”	3”	Utility Vault 4RCL-LB
568027	Four 3/4”	11”	3”	Utility Vault 4CL-LB

BASE, STREETLIGHT POLE

Transformer Base

Hapco Cat. No. 46788 Includes:
- 1 ea. T-Base #45964
- 1 ea. T-Base Door #40496
- 1 ea. Ground Lug # 41740
- 1 ea. 0.250” screw #44964-001
- 8 ea. Trapwashers #45248

Stock Unit: EA



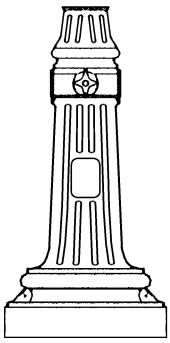
Stock No.	Top Bolt Circle	Bottom Bolt Circle
570210	11-1/2”	14-1/2"

BASE, DECORATIVE, STREETLIGHT POLE

For ZED/Lumec APR Poles
Stock Unit: EA

Stock No.	ZED/Lumec
011974	B40
011975	B104

011975



011974

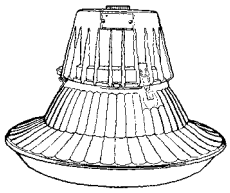
WASHER, ANCHOR BOLT

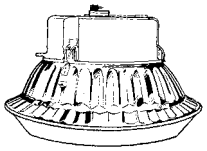
For Transformer base standard Stock No. 570210
Stock Unit: EA

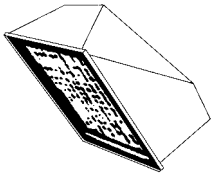
Stock No.	Dimensions
574505	6-7/8" x 2-1/2" x 3"

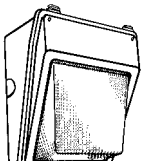
THE NEXT PAGE (57-7) RESERVED FOR FUTURE USE.

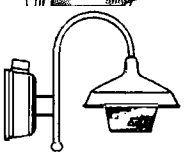
STREETLIGHT LUMINAIRES, COMMERCIAL AND ARTERIAL











Stock No.	Watts	Volts	Description	Manufacturer Cat. No. or City Light Matl. Std.	Stock Unit
LUMINAIRES, HPS, Flat Lens					
572408	100	Multi-tap	Internal Ballast	5723.1	EA
572407	150	Multi-tap	Internal Ballast	5723.1	EA
572800	250	Multi-tap	Internal Ballast	5723.1	EA
572801	400	Multi-tap	Internal Ballast	5723.1	EA
LUMINAIRES, HPS, Lowmount					
572530	150	240	Ballast Assembly 240v	GE #L4MD15SIM519AD	EA
572533	250	120	Ballast Assembly 120v	GE #L4MD25SIM519AD	EA
572534	400	120	Ballast Assembly 120v	GE #L4MD40SOM519AD	EA
572536	–	–	Hooks, Male with Safety Screw	GE #HOOKM	EA
572531	–	–	Optical assembly for use with 150-400 watt HPS, 22".	GE #L4MD25S4M519AD	EA
LUMINAIRES, CONSERVA 150, GE VI Series					
572542	150	–	Ballast Component	GE #MPB15SIHX	EA
572546	–	–	Optical, 22" Acrylic	GE #CIS-EA	EA
572547	–	–	Hanging Hardware, Pendent	GE #MPM-3PR	EA
FLOODLIGHT, HPS					
568161	100	120	100º Horizontal Beam	Thorn EMI OTS 100/1 (or equal)	EA
568163	150	120	100º Horizontal Beam	Thorn EMI OTS 150/1 (or equal)	EA
568166	400	Multi-tap	108º Horizontal Beam	5719.0	EA
568168	250	Multi-tap	108º Horizontal Beam	5719.0	EA
LUMINAIRE, FLOODLIGHT, HPS, GE Versaflood II					
568174	200	120	Wall Mount	GE #V2FN20 SIAISMN4DB	EA
568175	250	120	Wall Mount	GE #V2FN25 SIAISMN4DB	EA
WALLMOUNT, Alley Light					
572387	100	120	For use in Pioneer Square historical district.	Sternberg #RLM 18-62RRBBWB-100W HPS III PER (120V)	EA

The next page (57-9) reserved for future use.

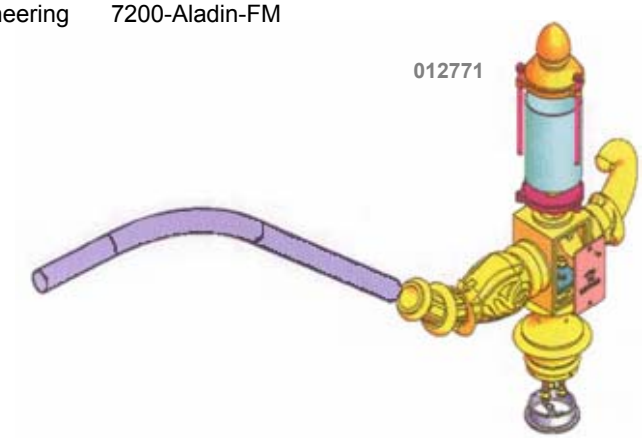
STREETLIGHT EQUIPMENT FOR HISTORICAL DISTRICTS

ALADDIN ARM COMPONENTS AND ASSEMBLY

Description: Cast aluminum, powder coated, Aladdin decorative arm components and complete, 6-foot reach, flange mount assembly.
Application: For use with Chief Seattle, Ornamental, steel, fluted poles (Stock Numbers 569530 and 569531) and Aladdin fixtures. Assembly includes all needed components. Individual components have been replaced by the assembly and are to be used to depletion. Casting patterns are owned by Seattle City Light.
SCL Matl. Std.: None
Stock Unit: EA

Stock No.	Description	Manufacturer	Catalog No.
012771	Complete 6-foot arm assembly	West Coast Engineering Group Ltd.	7200-Aladin-FM

Stock No.	Description
572451	Finial ornament
572452	Housing, ballast, galvanized steel or PVC pipe
573503	Ballast anchor rod bolts, ½" x 12"
572505	Plate, combination ballast base and bracket arm anchor
570545	6-foot Aladdin arm
570546	8-foot Aladdin arm
570710	Door, for Aladdin arm, 6" x 6"
572454	Base, cast steel
560520E	Bolt, DA, 5/8" x 20"


012771

LUMINAIRE, Post Top, HPS, for International District

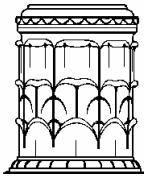
Description: Red with 3 diagonal gold ball on top. 3 slipfitter. 100 Watts.
SCL Matl. Std.: none
King Catalog No.: K56-S-T EPR III 100HPS-120 painted Safety Red
Stock No.: 572660
Stock Unit: EA

DECORATIVE BASE AND COLLAR, Chief Seattle, for Metro Strain Poles

Description: City Light owns the patterns for casting. 12 diameter. Same Chief Seattle design as above.
Application: Replacement, Westlake Park.
SCL Matl. Std.: none
ASTM: A 356 complete with fasteners
Stock Unit: EA

Stock No.	Item	Material
568039	Collar	Cast aluminum
568037	Base	Cast aluminum
012474	Collar	Bronze

DECORATIVE BASE AND COLLAR, Chief Seattle, for Fluted Steel Standards


collar

Description: City Light owns the patterns for casting. 10 diameter, Pattern A-397
Application: See Stock Catalog page 57-2 for the fluted steel poles used with Aladdin fixtures.
SCL Matl. Std.: none
Stock Unit: EA

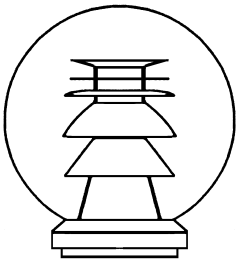
Stock No.	Item	Material	Matl. Std.
568033	Collar	Aluminum	5680.0
568031	Base	Aluminum	5680.0
568032	Collar	Bronze	none
568030	Base, 10 to 12	Bronze	none

base

STREETLIGHT EQUIPMENT FOR HISTORICAL DISTRICTS GLOBE FIXTURES

LUMINAIRES, Single Globe

Stock Unit: EA



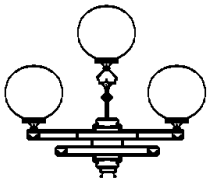
typical

Stock No.	Dia-meter, in.	Type	Approved Manufacturer
012164	18	HPS	King Luminaire KG18-LAC-(etched)-III-70(MOG)-HPS-120MT-K4
012165	20	HPS	King Luminaire KG20-LAC-(etched)-III-70(MOG)-HPS-120MT-K2/K4
012664	22	induction	per SCL Matl. Std. 5724.00

FIXTURE, 3-Ball, Globe

Description: Street light fixture. Seattle City Light owns the aluminum casting patterns. Globes are not included.

Application: Pioneer Square and other historical districts. Hot dip galvanized compression plate is for adapting fixture to a fluted steel pole.
Stock Unit: EA



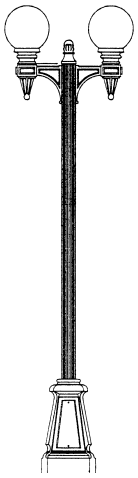
572900

572902

Stock No.	Description	Dimensions	SCL Material Standard
572900	fixture	57-1/2″ wide, 43-1/2″ tall, 17-1/2″-thick	none
572902	plate, compression	Shop made, 3/16″ thick	5721.0

WESTLAKE PEDESTRIAN FIXTURE

Description: Street light base, pole, brackets, and saucers. Globes are not included. Complete street light assembly requires two 18 inch, 70W HPS globe luminaires, Stock No. 012164. Seattle City Light owns the casting patterns. Assembly is welded and includes base, pole, and two brackets. Two saucers are fastened on as shown in illustration. Brackets and saucers may be used on other poles.
Application: Westlake and other historical districts. Mounting height is 12′-3″.
SCL Matl. Std.: none
Stock Unit: EA



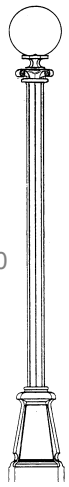
573700

Stock No.	Item
573700	complete welded assembly (minus globes)
573703	bracket only
573705	saucer only

5TH AVENUE PEDESTRIAN FIXTURE

Description: Street light base, pole, and capital. Globe is not included. Complete street light assembly requires one 20-inch, 70W HPS globe luminaire, Stock No. 012165. Seattle City Light owns the casting patterns. Assembly is welded and includes base, pole, and capital as shown in illustration.

Application: 5th Avenue and other historical districts. Mounting height is 12′.
SCL Matl. Std.: None
Stock Unit: EA



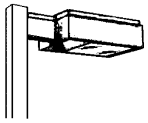
573720

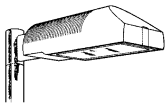
Stock No.	Item
573720	complete welded assembly (minus globe)

STREETLIGHT LUMINAIRES, RESIDENTIAL, HIGH PRESSURE SODIUM

Styleking F
572383

Styleking G
572397


Entablature
572760


Archtype
012294

XAO
572374

Broadmoor
572650

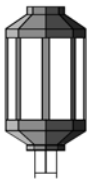
Stock Unit: EA

Stock Number	Name	Style	Watts	Voltage	Color	Manufacturer	Catalog Number	Matl. Std.
572383	Styleking F	post top	100	120	gray	American Electric	245-10-S-XN-MT1-R3-AY-SD	none
572397	Styleking G	3 scrolls	100	120	dark bronze	Cooper	TS4182-120R-LU2GYI	none
572760*	Entablature	shoebox	100	120	light gray	Kim/Hubbell	see Material Standard >	5723.2
572761	Entablature	shoebox	100	120	dark bronze	Kim/Hubbell	see Material Standard >	5723.2
572762	Entablature	shoebox	250	120	light gray	Kim/Hubbell	see Material Standard >	5723.2
572763	Entablature	shoebox	250	120	dark bronze	Kim/Hubbell	see Material Standard >	5723.2
012294	Archtype	shoebox	100	120	light gray	Kim/Hubbell	see Material Standard >	5723.2
012418	Archtype	shoebox	100	120	dark bronze	Kim/Hubbell	see Material Standard >	5723.2
572374	XAO	arm	100	120	bronze	Sun Valley	LCC22-WP-100HPS-MT@120V-PN-BEB	none
572650	Broadmoor	post top	70	120	blue/green	King	K56-C-T-SAR-III-100(MOG)-painted S/W#F63 BXG 188	none
010346▲	Cleveland	post top	100	120 multi-tap	bronze	King	K56-C-T-SAR-III-100 (MOG)-HPS-120(MT)-PEC	none
572404	LCC	post top	100	120	bronze	Sun Valley	LCC30-WP-100HPS-PVC120-PT (3″ OD existing tenon) - RAL-8019-T	none
010397	ZED Z11	Zenith	070	120	on PO	Lumec	see Material Standard >	5723.3
012380▲	ZED Z14	Zenith	070	120	on PO	Lumec	see Material Standard >	5723.3
011967	ZED Z15	Zenith	070	120	on PO	Lumec	see Material Standard >	5723.3
010398	ZED Z40	Nostalgia	070	120	on PO	Lumec	see Material Standard >	5723.3
010399	ZED Z47A	Nostalgia	070	120	on PO	Lumec	see Material Standard >	5723.3
572572	Replacement Lexan refractor panel for the currently installed Sterner Gothic luminaire (cancelled luminaire, Stock No. 572404); each Stock Unit includes 2 panels of 4 refractors.							

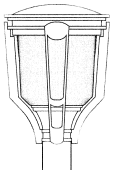
* use for new work as well as to replace 70 watt Gardco “Form 10” “Shoe Box” luminaires (See Stock No. 572385 on 57-11)

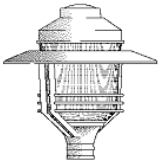
▲ contact Material Control for availability

Cleveland
010346


LCC
572404

Z11
010397


Z14
012380


Z15
011967

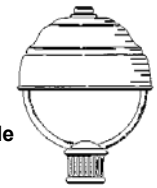
Z40
010398

Z47A
010399

STREETLIGHT LUMINARIES, RESIDENTIAL

LUMINAIRE, Promenade

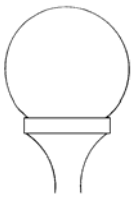
Description: Luminaire with photo electric receptacle, modified 90 degree hinge and oversize set screws on pole top fitter. Manufacturer supplies 4 to 3 mounting adapter, painted to match fixture.
SCL Matl. Std: none
Stock Unit: EA


Promenade

Stock No.	Type	Watts	Voltage	Color	Manufacturer	Catalog No.
572351	HPS	100	120	Antique Green	Architectural Area Lighting	#PRM3-PMH3-100HP S120-AGR

LUMINAIRE, Post Top, HPS, Antique Street Lamps, Inc. (ASL)

Description: 18″ globe, 150 watt, 120/208/240/277 volt ballast.
Application: For 2nd Ave. in Belltown & 23rd Ave from John St. to King St.
SCL Matl. Std: none
Stock Unit: EA


Post Top

Stock No.	Color	ASL Catalog No.
010092	natural aluminum	ES18MOD/CC/CC-S150/QV/PEC

Obsolescent Luminaires

LUMINAIRE, GARDCO Form 10, Shoe Box Style

Application: For replacement use only. Not to be used for new locations.
SCL Matl. Std: none
Stock Unit: EA

Stock No.	Type	Watts	Voltage	Arm Length	Manufacturer & Catalog No.
572385	HPS	70	120	–	Spectra VIII W/P.E. receptacle. No longer stocked. Cancelled Stock No. Replace with 572760 (page 57-10)
572415	HPS	I00	120	6″	MCW #SJBC/1-100HPS-120CG SX (III)- BZAM PECR Gardco # EH1413-120-100HPS-BRA-PEC R
572363	HPS	250	120	9-1/2″	Gardco #EH-1913-250-S-120-BRA-PECR, Bronze MCW # SJBC/1-250-120-CG-SX(III)- BZA-PECR, Bronze

LENS & FRAME for GARDCO Luminaires

Application: For replacement use only. Not to be used for new locations.
SCL Matl. Std: none
Stock Unit: EA

Stock No.	Description	Replacement for:
572591	lens & frame, glass, 13-1/4″	Stk. No. 572415

LUMINAIRE, HPS, Mcgraw (Cooper) Lawnaire

Description: Asymmetric, multi-tap, with photo electric.
SCL Matl. Std: none
Stock Unit: EA

Stock No.	Type	Watts	Voltage	Color	Manufacturer	Catalog No.
572755	HPS	100	multi-tap	bronze	Cooper	#TW-1182-9-P/Bz

LED STREETLIGHT LUMINAIRES AND ACCESSORIES

LED LUMINAIRE, Streetlight, 52 W

Description: 52 watt, end-mount, outdoor type, light-emitting-diode (LED) streetlight luminaire. LED luminaires are also known as solid state luminaires. Input voltage, functional range, 60 Hz, Vac: 120 to 277. This luminaire accepts a standard plug type, locking, three-pole, three-wire, streetlight photocontrol. Photocontrol not included.

Application: Mounted on 2-inch nominal pipe size tenons on poles to provide light to residential neighborhoods. 52 watt, LED streetlights consume approximately 62 percent less energy than a conventional 100 watt high-intensity discharge luminaire. LED life is greater than 50,000 hours. LED streetlight luminaires are 100 percent mercury- and lead-free.

In 2012, 52 watt LED streetlight luminaires replaced less-efficient 70 watt units, Stock Number 013078, for new construction.

Streetlight Engineering must pre-approve all installations of luminaire shields. Contact Streetlight Engineering for details.

SCL Matl. Std.: 5723.49

Stock Unit: EA

Stock No.: 013354

SHIELD, LED Luminaire, Streetlight

Description: House side shield for LED streetlight luminaires.

Application: Installed on LED streetlight luminaires to mitigate house side backlighting problems. Shields are not interchangeable between manufacturers.

Streetlight Engineering must pre-approve all installations of luminaire shields. Contact Streetlight Engineering for details.

SCL Matl. Std.: 5723.49

Stock Unit: EA

Stock No	Description
013355	for BetaLED luminaire
013356	for Leotek GC-1 luminaire

LED LUMINAIRE, Streetlight, 70 W

Description: 70 watt, end-mount, outdoor type, light-emitting-diode (LED) streetlight luminaire. LED luminaires are also known as solid state luminaires. Input voltage, functional range, 60 Hz, Vac: 120 to 277. This luminaire accepts a standard plug type, locking, three-pole, three-wire, streetlight photocontrol. Photocontrol not included.

Application: Mounted on 2-inch nominal pipe size tenons on poles to provide light to residential neighborhoods. 70 watt, LED streetlights consume approximately 48 percent less energy than a conventional 100 watt high-intensity discharge luminaire. LED life is greater than 50,000 hours. LED streetlight luminaires are 100 percent mercury- and lead-free.

This Stock Number is to allow luminaires removed from service to be returned to inventory; not for new purchases. For new purchases, refer to Material Standard 5723.49.

Streetlight Engineering must pre-approve all installations of luminaire shields. Contact Streetlight Engineering for details.

SCL Matl. Std.: 5723.51

Stock Unit: EA

Stock No.: 013078

STREETLIGHT REFRACTORS AND GLOBES

REFRACTOR, POLYCARBONATE

For all l00W HPS Cobra-head fixtures.
Stock Unit. EA

Stock No	Westinghouse Cat. No	Formed Plastics Cat. No
572555	106D613PO2	FP-516-l

FRACTOR, POLYCARBONATE (UV Treated) or Glass (DROP LENS)
For Cobra-head fixtures.
To replace broken units.
Stock Unit: EA

Stock No.	Used on Luminaire No.	Formed Plastics
572556	250/400W Crouse-Hinds OV-25	FP-425
572557	400W GE Co. No. 510	FP-004-1
572559	250/400W ITT-American Electric	-

LENS, FLAT GLASS, Replacement for HPS Luminaire
For Cobra-head fixtures.
Stock Unit: EA

Stock No.	Manufacturer and Cat. No.	Replacement for Stock No.
572593	ITT #13-2-A	572407, 572408, 572409 (ITT)
572594	GE #35-962580-02	572410, 572411, 572420572421(GE)
572595	ITT #25-3-A	572410, 572411, 572420, 572521(ITT)
572596	OV 15 Crouse Hinds 8445016H01	572407,572408
572598	OV 25 Crouse Hinds 84450116H02	572410,572420,572760 , 572761, 572800,572801

REFRACTOR, POLYCARBONATE 'TYPE 3 CUT
Stock Unit: EA

Stock No.	Manufacturer
572571	Formed Plastics FP-129-2

REFRACTOR PANEL, Clear Acrylic
Replacement for King and other "Tudor" luminaires in Broadmoor and other locations.
5-3/8" top x 14" high x 3-1/2" bottom x 1/8" thick.
Stock Unit: EA

Stock No.	Manufacturer
572654	King K56TY5ACR

REFRACTOR,
Replacement for pedestrian light, Type II distribution pattern, ZED #Z11 globe only
Stock Unit: EA

Stock No.	Manufacturer
572574	ZED #Z11

GLOBE, BALL, Sandblasted Polycarbonate
For 3 globe fixtures (Pioneer Square)
22" Diameter - with 8" neck diameter.
Per SCL Drawing C-6777
Stock Unit: EA

Stock No	
568201	City Light owned mold

GLOBE, BALL, Sandblasted Polycarbonate
For Fifth Avenue
20" Diameter - with 8" neck diameter.
Stock Unit: EA

Stock No.	Manufacturers
568210	Formed Plastics

GLOBE, BALL, Sandblasted Polycarbonate
For Westlake & 2nd Avenue
18" Diameter - with 8" neck diameter.
Stock Unit: EA

Stock No.	Manufacturers
568209	Formed Plastics

GLOBE, BALL, White Acrylic
18" Diameter - Replacement for Walkway to Ferry.
Stock Unit: EA
With white clamp ring

Stock No.	Manufacturer
568205	Sterner #DP 7341-18" w/ #SA 2118-White

GLOBE, BALL

Stock Unit: EA

Stock No.	Monax Snow White	Formed Plastics FP-P/E
568202	6" x l2"	6" x l2"
568208	8" x 14"	8" x 14"

GLOBE, ACORN
Stock Unit: EA

Stock No.	Size	Manufacturer
568212	8" neck dia.	Formed Plastics FP-199

STREETLIGHT BALLASTS AND STARTERS

BALLAST ASSEMBLY, HPS, 120V "Quick Mount"

Application: For BPA conversion of 100W HPS Post Top Luminaires. Converts incandescent to HPS.
SCL Matl. Std.: none
Stock Unit: EA

Stock No.	Manufacturer and Catalog No.	
574203	Advance	71A7807 001DB
	North Star Lighting, Inc.	SBN-050120H

BALLAST ASSEMBLY, GE Power Door, "Power Module"

Application: for Lucalux Lamp
SCL Matl. Std.: none
Stock Unit: EA

Stock No.	Watts	Volts	Types	GE Catalog No.
572430	400	Multi-Tap	Reg.	M4AR40S0M063
572432	400	240	Auto/Reg.	M4AR40S3H063
572440	250	Multi-Tap	Auto/Reg.	M4AR25S0M063

BALLAST MODULE, For Kim Luminaries

Description: HPS, 120V, high power factor
SCL Matl. Std.: none
Stock Unit: EA

Stock No.	Watts	Kim Catalog No.
572770	100	85372 – 120R SAR/SET 100HPS120

STARTERS, HPS Lamp

SCL Matl. Std.: none
Stock Unit: EA

Stock No.	Watts	Manufacturer and Catalog No.
574300	35-400	Sequoia Lighting #SS-1
574310	50-150	GE #35-967410-17
574312	200-400	GE #35-216700-10 (Auto)
574313	200-400	GE #35-216702-10
574320	50-150	Amer. Elec. #SD-55B
574322	200-400	Amer. Elec. #SD-100B
574330	150-400	Advance #LI 501 H4
574332	35-150	Advance #LI 551 J4

STREETLIGHT LAMPS

MERCURY-VAPOR, Mogul Screw Base

Description: Single-ended, mercury, incandescent, streetlight lamps with mogul screw bases. Bulb finish is phosphor-coated.
Application: Lamps are for installation in open or enclosed mercury streetlight luminaires with mogul screw base lamp holders. Lamps have no restriction on burning position.
SCL Matl. Std.: 5722.60
Stock Units: EA

Stock No.	Watts
572205	175
572201	400

INCANDESCENT, Clear, 130 Volts, Mogul Screw Base

Description: Single-ended, incandescent, 130 volt, streetlight lamps with mogul screw bases. Bulb finish is clear.
Application: Lamps are for installation in open or enclosed incandescent streetlight luminaires with mogul screw base lamp holders. Lamps have no restriction on burning position.
SCL Matl. Std.: 5722.15
Stock Units: EA

Stock No.	Watts
730582	500
730584	1000

INCANDESCENT, Medium Screw Base

Description: Single-ended, incandescent, 125 volt, streetlight lamps with medium screw bases. Bulb finish is clear.

Application: Lamps are for installation in open or enclosed incandescent streetlight luminaires with medium screw base lamp holders. Lamps have no restriction on burning position.
SCL Matl. Std.: 5722.10
Stock Units: EA

Stock No.	Watts (Nominal)
730671	60
730674	105
730675	189

METAL HALIDE, Mogul Screw Base

Description: Single-ended, metal halide, streetlight lamps with mogul screw bases. Bulb finish is clear.

Application: Lamps are for installation in open or enclosed metal halide streetlight luminaires with mogul screw base lamp holders. Lamps have no restriction on burning position.
SCL Matl. Std.: 5722.70
Stock Unit: EA

Stock No.	Watts
572255	400

STREETLIGHT LAMPS, HIGH PRESSURE SODIUM

30,000 HOUR, Mogul Screw Base

Description: Extended life, single-ended, single arc tube, high pressure sodium, streetlight lamps with mogul bases. Average rated life is 30,000 hours. Bulb finish is clear. High pressure sodium (HPS) lamps are a subcategory of high intensity discharge (HID) lamps.

Application: Lamps are for installation in open or enclosed high pressure sodium streetlight luminaires with mogul lamp holders. Lamps have no restriction on burning position. Extended life lamps are well suited for group re-lamping.

Two-hundred watt lamps, Stock No. 013017, are used exclusively in the Battery Street Tunnel.

SCL Matl. Std.: 5722.45

Stock Units: EA

Stock No.	Wattage
013014	50
013015	70
012743	100
013016	150
013017	200
012744	250
012745	400

STANDARD LIFE, Medium Screw Base

Description: Standard life, single-ended, single arc tube, high pressure sodium, streetlight lamps with medium screw bases. Lamps rated 50 watts and above have an average rated life of 24,000 hours. High pressure sodium (HPS) lamps are a subcategory of high intensity discharge (HID) lamps.

Application: Lamps are for installation in open or enclosed high pressure sodium streetlight luminaires with medium screw base lamp holders. Lamps have no restriction on burning position.

SCL Matl. Std.: 5722.20

Stock Units: EA

Stock No.	Wattage	Lamp Finish
572270	35	clear
572220	35	coated
572225	50	coated
572230	70	coated
572232	100	clear
572233	150	clear

MERCURY LUMINAIRE

Description: Standard life, single-ended, single arc tube, high pressure sodium, streetlight lamps for use in mercury luminaires (only). Average rated life is 16,000 hours. Bulb finish is clear.

Application: Lamps are for installation in mercury luminaires where the efficiency of high pressure sodium is desired, but it is not convenient or practical to replace the existing fixture. Lamps have no restriction on burning position. *Note:* Lamps may only be used in luminaires with 400 watt, mercury lag or reactor ballasts (ANSI mercury ballast No. H33).

SCL Matl. Std.: 5722.50

Stock Units: EA

Stock No.	Wattage
572248	360

STREETLIGHT CONTROLS AND ACCESSORIES

NUMBER BOARD SCREWS, Pan Head, Square Drive, Self Tapping

Description: Zinc plated steel per ASTM A-164 (also shown on page 78-9).
Application: For installing streetlight number boards.
SCL Matl. Std.: none
Stock Units: BX (100)

Stock No.	Size	Length, in.
571807E	#12	1
571806E	#12	2

PHOTOELECTRIC CONTROL, Twist Lock Plug

Description: Voltage, 105 to 300.
SCL Matl. Std.: 5693.00
Stock Unit: EA
Stock No.: 569333

PHOTOELECTRIC CONTROL, Stem Mount

Application: For Lawnaire and Sternco Gothic luminaires.
SCL Matl. Std.: none
Stock Unit: EA

Stock No.	Voltage	Manufacturers	
		ALR	Intermatic
569336	120	A105	K4121C

PHOTOELECTRIC CONTROL MOUNTING BRACKET

SCL Matl. Std.: 5693.2
Stock Unit: EA
Stock No.: 568046

PHOTOELECTRIC CONTROL RECEPTACLE

SCL Matl. Std.: none
Stock Unit: EA

Stock No.	Application	Manufacturers
569337	–	GE 35-962530-30
569338	American Electric HPS cobra head luminaires	American Electric PECR-125-KIT

PLATE, PVC, White

Description: 1/8″ thick x 2″ wide, white PVC sintra with UV inhibitors.
SCL Matl. Std.: none
Stock Units: EA

Stock No.	Length, in.
571803E	10-1/2
571804E	13-1/2
571805E	16-1/2

SHORTING CAPS

Description: For NEMA twist lock receptacle on luminaires. Used as a trouble shooting tool and for multiple control streetlight installations.
SCL Matl. Std.: 5693.0
Stock Unit: EA
Stock No.: 569334

STREETLIGHT CONTROL RELAY, 4-Wire, Mercury

Description: Housing mounted.
Application: Normal contacts position closed.
SCL Matl. Std.: none
Stock Unit: EA
Stock No.: 569300

STREETLIGHT POLE RECEPTACLE, GFCI and Plate

Description: Hospital grade GFCI receptacle outlet for use only on streetlight poles.
SCL Matl. Std.: none
Stock Unit: EA

Stock No.	Description	Manufacturers
569220	receptacle, 20A, 125 V, NEMA 5-20R, 2P, 3W, GFCI, gray	Hubbell GF-8300, Leviton 7899-HGG
569225	Cover, gray, weatherproof	Hubbell WP-26, Raco 5028

LIGHTING CONTACTOR CONTROLLER

LIGHTING CONTACTOR CONTROLLER
Description: Electromagnetic contactor rated 100 load amps per pole, 3-pole, normally open, in NEMA 4X weatherproof cabinet with 24-inch mounting bracket.

Application: Contactor controllers allow control of multiple streetlights with a single streetlight photocontrol. The number of streetlights capable of being controlled is limited by the load rating of the contactor. Photocontrol unit Stock Number 569333, is wired remotely from the contactor.

SCL Matl. Std.: 5685.00
Stock Unit: EA
Stock Number: 012776

STREETLIGHT MISCELLANEOUS MATERIALS

DOOR, BASE, for "Chief Seattle" Bases
Conforming to Al Assoc.: A356
Stock Unit: EA

Stock No.	Material	For Use With:
568114	sheet metal	cast aluminum base (Stk. No. 568031)
568115	cast Al	bronze base (Stk. No. 568030)

DOOR, BASE, BRONZE, for Chief Seattle Bases
SCL Pattern: A-397
Stock Unit: EA
Stock No: 568116

DOOR, HANDHOLE COVER
Description: Universal replacement for oval handholes. Nonmetallic. Includes handle, cover and bolt. Gray.
SCL Matl. Std.: none
Stock Unit: EA

Stock No.	Manufacturer	Catalog Name
568118	Lite Rite Inc.	"Easy Access"

DOOR, HANDHOLE, for Aladdin Arm
See Stock Catalog page 57-10 (Stock No. 570710).

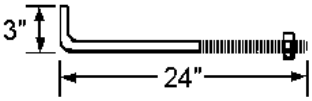
DOOR, BASE, CAST ALUMINUM, for Green Lake
Conforming to Al Assoc.: A356
Stock Unit: EA
Stock No: 5

BOLT, for Base, with Nut, Galvanized
Description: Hex head, with hex nut assembled to bolt.
ANSI: B18.2.1 and B18.2.2
Stock Unit: EA

Stock No.	Size, in.
568055	1 x 3

BOLT, ANCHOR, Galvanized, for "Chief Seattle" Pole Foundations
Description: 1″ x 36″ x 4″ with two heavy hex nuts, two flat washers and one lock washer.
ASTM: A307
Stock Unit: EA
Stock No: 568058

BOLT, ANCHOR
Description: 1″ x 24″ x 3″ with hex nut.
SCL Drawing: B-910
Stock Unit: EA
Stock No: 568056



TRANSFORMER, for Aladdin Arm Fixture
Description: 1.3 kVA, 277 to 120 Volts. See also Stock Catalog page 30-9.
Application: Typically used in vaults and handholes to step down streetlight voltage in order to serve light fixtures or receptacles in streetlight bases.
SCL Matl. Std.: 4470.00
Stock Unit: EA
Stock No: 391286

CAPITALS, for Broadmoor Post Top
SCL Matl. Std.: none
Stock Unit: EA

Stock No.	Color	Material	Application	Kings Catalog No.
572656	S/W F63 BXG 188	cast Al	extender capital to fit 3-1/2″ pole top tenon	King "Broadmoor" drawing No. 202A1006
572652	blue/green	cast Al	transition capital, 7″ top	KA-5

60 wire and cable

Wire, Aluminum, Overhead, Primary	***1***
Wire, Copper, Overhead, Primary	***2***
5 and 15 kV Cable, Underground Primary Distribution	***4***
15 kV Cable, Underground Primary Distribution, EPR	***5***
15 kV Cable, Underground Primary Distribution, TRXLPE	***7***
15 kV Cable, Underground Primary Distribution, Armored	***8***
27 and 28 kV Cable, Underground Primary Distribution	***9***
27 and 28 kV Cable, Underground Primary Distribution	***11***
28 and 35 kV Cable, Underground Primary Distribution, TRXLPE	***13***
High Voltage Cable	***16***
Overhead Service and Streetlight Cable, 600 V	***20***
Underground Aluminum Service and Streetlight Cable	***24***
Underground Copper Service and Streetlight Cable	***26***
Bare Copper Wire and Braid	***28***
Copper-Clad Steel Wire	***29***
THWN, Type NM, and Portable Cords	***32***
Stations, Switchboard, Control and Fire Protection Cable and Wire	***36***
Bus Bar, Tubing and Plate	***40***

WIRE, ALUMINUM, OVERHEAD, PRIMARY

ACSR, Bare

Description: Bare, concentric-lay stranded aluminum conductor, steel reinforced (ACSR) wire. Aluminum strands are made from round 1350-H19 (extra hard) alloy wire. Steel, core strands are zinc coated.

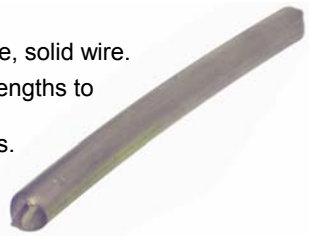
Application: Wire is used as a bare, overhead, transmission or distribution conductor. Stock Numbers 600020 (Chickadee) and 600044 (Rail) are for 600 A and 1200 A primary feeders, respectively. Refer to NESC, Section 26 - Strength Requirements, for applying rated strength values.

SCL Matl. Std.: 6000.00

Stock Unit: FT

Stock Number	Size, kcmil	Stranding, aluminum/steel	Code Word	Nominal Diameter, in.	Minimum Rated Strength, lbs.
600020	397.5	18/1	Chickadee	0.743	9,900
600021	397.5	26/7	Ibis	0.783	16,300
600040	795.0	26/7	Drake	1.108	31,500
600041	795.0	30/19	Mallard	1.140	38,400
600044	954.0	45/7	Rail	1.165	25,900

TIE WIRE, Bare



Description: Aluminum, bare, solid wire.

Application: Used in short lengths to tie AAC or ACSR distribution conductorsto tie top insulators.

SCL Matl. Std.: none

Stock Unit: FT

Stock No.	Size, AWG	Number of Strands	Nominal Diameter, in.	Approved Manufact-urers
600085	4	1	0.204	Southwire, Nehring

AAC, Bare

Description: Bare, concentric-lay stranded, all aluminum wire. Aluminum strands are made from round 1350-H19 (extra hard) alloy wire.

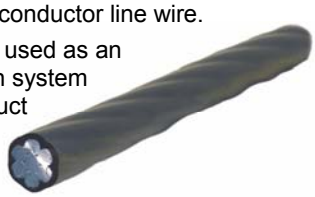
Application: Wire is used as a bare, overhead, transmission or distribution conductor. Refer to NESC, Section 26 - Strength Requirements, for applying rated strength values. Because of its flexibility, all aluminum wire has special application for making up feeder jumpers and for connecting gang-operated, pole-mounted switches.

SCL Matl. Std.: 6000.20

Stock Unit: FT

Stock Number	Size, kcmil	Class	Number of Strands	Code Word	Nominal Diameter, in.	Minimum Rated Strength, lbs.
600113	397.5	A, AA	19	Canna	0.724	7,110
600121	795.0	AA	37	Arbutus	1.026	13,900
600126	954.0	A	61	Golden-rod	1.126	16,900

LINE WIRE, Covered



Description: Aluminum, weather-resistant, polyethylene covered, single conductor line wire.

Application: This product is used as an overhead, primary distribution system neutral conductor. This product has no voltage rating and must be installed on insulators adequate for the service voltage. Refer to NESC, Section 26 - Strength Requirements, for applying rated strength value.

SCL Matl. Std.: 6005.1

Stock Unit: FT

Stock No.	Size, AWG	Number of Strands	Code Word	Nominal Diameter, in.	Minimum Rated Strength, lbs.
600318	4/0	7	Olive	0.626	3,450

WIRE, COPPER, OVERHEAD, PRIMARY

WIRE, Bare

Description: Hard drawn copper, bare, solid wire.

Application: Wire is used as a bare, overhead, distribution conductor. Because of its forming characteristics, Stock Number 610006 has special application as bus on overhead terminal poles or making (working) ground connections in underground vaults.

SCL Matl. Std.: 6100.1

Stock Unit: FT

Stock Number	Size, AWG	Number of Strands	Nominal Diameter, in
610006	2	1	0.258
610008	4	1	0.204

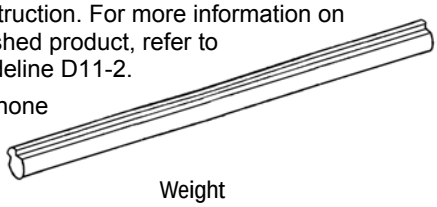
TROLLEY WIRE, Grooved

Description: Grooved, 2/0, copper trolley wire. Product is purchased on 1000 foot reels.

Application: Wire is used by Seattle City Light shops to fabricate special connector bars according to the requirements of Material Standard 6849.1. Finished connector bars are used to offset fault limiters from fused cutouts, particularly on wire #2 in three-phase construction. For more information on application of finished product, refer to Construction Guideline D11-2.

SCL Matl. Std.: none

Stock Unit: FT



Stock Number	Size, AWG	Number of Strands	Weight per 100 ft, lbs	Approved Manufacturer
610020	2/0	1	40.3	Service Wire Co.

LINE WIRE, Covered

Description: Copper, weather-resistant, polyethylene covered, single strand, single conductor line wire.

Application: Stock Number 611393 is used for the system neutral when the phase conductor consists of small copper wire.

SCL Matl. Std.: 6114.5

Stock Unit: FT

Stock Number	Size, AWG	Temper	Nominal Diameter, in	Pack-aging	Nominal Length, ft
611444	6	SD	0.222	coil	1,700
611392	4	MHD	0.264	coil	1,100
611393	4	MHD	0.264	reel	10,000
611442	4	SD	0.264	coil	1,100
611390	2	MHD	0.348	coil	1,100
				reel	4,545

WIRE, Covered, 5 kV Rated

Description: High density polyethylene jacket over high molecular weight polyethylene insulation over solid, medium hard drawn, copper wire.

Application: Wire is used to make up 4 kV, overhead transformer leads.

SCL Matl. Std.: 6108.5

Stock Unit: FT

Stock Number	Size, AWG	Number of Strands	Temper	Nominal Diameter, in
610833	6	1	MHD	0.478

5 AND 15 KV CABLE, UNDERGROUND PRIMARY DISTRIBUTION

5 kV, 1/C, Tape Shielded Cable

Description: Tree retardant, crosslinked polyethylene (TRXLPE) insulated, medium voltage power cable. Prior to 2005, cable was purchased with drain wire shield. Current standard calls for tape shield. Refer to Material Standard and Design Standard 9660.04 for more information.

Application: For use on nominal 4.3 kV, three-phase, 4-wire, wye-connected, URD systems. Stock No. 613212 is used to maintain existing 4.3 kV primary services run in 2″ diameter conduit. If 2-1/2″ conduit is present, consider using 27 kV, 3-1/C, Kerite cable, Stock No. 623650.

SCL Matl. Std.: 6010.20

Stock Unit: FT

Stock Number	Conductor Size	Conductor Alloy	Jacket Material
613212	#6 AWG	copper	LLDPE
613222	350 kcmil	copper	LLDPE

15 kV, 3/C, Tape Shielded, Compact Sector Cable – Do Not Purchase

Description: Tree retardant, crosslinked polyethylene (TRXLPE) insulated, medium voltage power cable. Refer to Design Standard 9660.04 for more information.

Application: Formerly used on nominal 13.8 kV, three-phase, three-wire, delta-connected network systems. No longer purchased. Information is presented here for reference only.

SCL Matl. Std.: none (cancelled from then 6020.1 in 2005)

Stock Unit: FT

Stock Number	Conductor Size	Conductor Alloy	Jacket Material
613531	500 kcmil	copper	LLDPE or PP
613533	750 kcmil	copper	LLDPE or PP

15 kV CABLE, UNDERGROUND PRIMARY DISTRIBUTION, EPR

15 kV, 1/C, Tape Shielded Cable

Description: Ethylene propylene rubber (EPR) insulated, medium voltage power cable. Insulation has a nominal thickness of 220 mil. Refer to Construction Guideline E6-1/NGE-70 for more information.

Application: Cable is for connecting the secondary terminals of 26-13 kV transformers to customer switchgear, or where maximum flexibility is needed in a 15 kV rated cable.

Users should be aware that this cable has 220 mil of insulation – a non-standard value for 15 kV cable at Seattle City Light.

SCL Matl. Std.: 6025.70

Stock Unit: FT

Stock Number	Conductor Size	Conductor Alloy	Jacket Material
623640	500 kcmil	copper	PVC

15 kV, 3/C, Tape Shielded Cable

Description: Ethylene propylene rubber (EPR) insulated, medium voltage power cable. Refer to Material Standard and Construction Guideline E6-1/NGE-70 for more information.

Application: For use on nominal 13.8 kV, three-phase, three-wire, delta-connected network systems. This product has particular application in 3-1/2 inch diameter, clay tile duct banks. EPR insulated cable is capable of operating at higher temperatures than TRXLPE insulated cable.

SCL Matl. Std.: 6025.10

Stock Unit: FT

Stock Number	Conductor Size	Conductor Alloy	Jacket Material
010128	500 kcmil	copper	LLDPE

15 kV, 3-1/C, Flat Strap Shielded Cable

Description: Ethylene propylene rubber (EPR) insulated, medium voltage power cable. Refer to Material Standard and Construction Guideline E6-1/NGE-70 for more information.

Application: For use on nominal 13.8 kV, three-phase, three-wire, delta-connected network systems as standard feeder cable. EPR insulated cable is capable of operating at higher temperatures than TRXLPE insulated cable.

Stock number 013171 is the same cable as stock number 623670, except the length per reel is less. This item was created to minimize waste.

SCL Matl. Std.: 6025.60

Stock Unit: FT

Stock Number	Conductor Size	Conductor Alloy	Jacket Material	Length per Reel, ft
012735	500 kcmil	copper	LLDPE	1800
623670	1000 kcmil	copper	LLDPE	1200
013171	1000 kcmil	copper	LLDPE	0900

15 KV CABLE, UNDERGROUND PRIMARY DISTRIBUTION, TRXLPE

15 kV, 3/C, Tape Shielded Cable

Description: Tree retardant, crosslinked polyethylene (TRXLPE) insulated, medium voltage power cable. Refer to Material Standard for more information.

Application: For use on nominal 13.8 kV, three-phase, three-wire, delta-connected network systems.

SCL Matl. Std.: 6020.01

Stock Unit: FT

Stock Number	Conductor Size	Conductor Alloy	Jacket Material
613523	#1 AWG	copper	LLDPE
613526	3/0 AWG	copper	LLDPE
613530	350 kcmil	copper	LLDPE

15 kV, 3/C, Tape Shielded Cable – Deplete Stock

Description: Tree retardant, crosslinked polyethylene (TRXLPE) insulated, medium voltage power cable. TRXLPE insulated cables of this type are no longer purchased in these sizes. Engineers are encouraged to work with Material Control to coordinate depleting existing inventory. After inventory is depleted, use Stock Numbers 010128 and 623670 in place of 613532 and 613534 respectively. Information is retained for historical purposes.

Application: For use on nominal 13.8 kV, three-phase, three-wire, delta-connected network systems.

SCL Matl. Std.: none (cancelled from then 6020.1 in 2005)

Stock Unit: FT

Stock Number	Conductor Size	Conductor Alloy	Jacket Material
613532	500 kcmil	copper	LLDPE or PP
613534	750 kcmil	copper	LLDPE or PP

15 KV CABLE, UNDERGROUND PRIMARY DISTRIBUTION, ARMORED

15 kV, 3/C+1G, EPR Insulated Cable with Armor

Description: Ethylene propylene rubber (EPR) insulated, medium voltage power cable. Refer to Material Standard for more information.

Application: For use on nominal 13.8 kV, three-phase, three-wire, delta-connected network systems. This product has particular application as a vertical riser cable. Cable is intended to be installed within a high-rise building and suspended from one end. Product replaces Stock Numbers 613522 and 613521.

Users should be aware that this cable has 220 mils of insulation – a less common value for 15 kV cable at Seattle City Light.

Cable length requirements are site specific. Engineers and Material Control shall plan for minimum order runs of 1,000 feet. Cable shall be shipped only in combinations of the options cited in Table 2, Material Standard 6025.02.

SCL Matl. Std.: 6025.02

Stock Unit: FT

Stock Number	Conductor Size	Conductor Alloy	Sheath
013306	4/0 AWG	copper	steel armor

15 kV, 3/C, TRXLPE Insulated Cable with Armor – Do Not Purchase

Description: Tree retardant, crosslinked polyethylene (TRXLPE) insulated, medium voltage power cable. Refer to Material Standard for more information.

Application: For use on nominal 13.8 kV, three-phase, three-wire, delta-connected network systems. This product had application as a vertical riser cable. Cable was installed within high-rise buildings and suspended from one end. No longer available. Use Stock Number 013306 instead.

SCL Matl. Std.: 6020.02

Stock Unit: FT

Stock Number	Conductor Size	Conductor Alloy	Sheath
613522	#1 AWG	copper	steel armor
613521	3/0 AWG	copper	steel armor

27 AND 28 kV CABLE, UNDERGROUND PRIMARY DISTRIBUTION

27 kV, 3-1/C + 2/Neu, Tape Shielded Cable, KERITE

Description: Proprietary EP-based insulated, medium voltage power cable with two #8 AWG copper neutrals. Cable is a Seattle City Light special and sole-sourced from The Kerite Company. Conductor stranding is 7 strand, concentric round (compressed 3%). No Material Standard has ever existed for this product. Because minimum order quantities are so large and usage is so small, this cable is not ordered very often. Refer to Design Standard 9660.04 for more information.

Application: Used to maintain existing nominal 26.4 kV, three-phase, 4-wire, wye-connected primary services run in 2-1/2" diameter conduit. Capacity is 60 A.

SCL Matl. Std.: none

Stock Unit: FT

Stock Number	Conductor Size	Conductor Alloy	Jacket Material
623650	#8 AWG	copper	PVC

28 kV, 1/C + 1/Neu, Round Wire Concentric Neutral, Bare Cable

Description: Tree retardant, crosslinked polyethylene (TRXLPE) insulated, medium voltage power cable with full concentric neutral. Refer to Material Standard and Design Standards 9660.04 and 9660.06 for more information.

Application: For use on nominal 26.4 kV, three-phase, 4-wire, wye-connected, URD systems.

SCL Matl. Std.: 6020.03

Stock Unit: FT

Stock Number	Conductor Size	Conductor Alloy	Jacket Material
602025	1/0 AWG solid	aluminum	none

28 kV, 1/C + 1/Neu, Round Wire Concentric Neutral, Jacketed

Description: Tree retardant, crosslinked polyethylene (TRXLPE) insulated, medium voltage power cable with full concentric neutral. Refer to Material Standard and Design Standards 9660.04 and 9660.06 for more information.

Application: For use on nominal 26.4 kV, three-phase, 4-wire, wye-connected, URD systems. This cable has particular application in areas where neutral corrosion may be a problem.

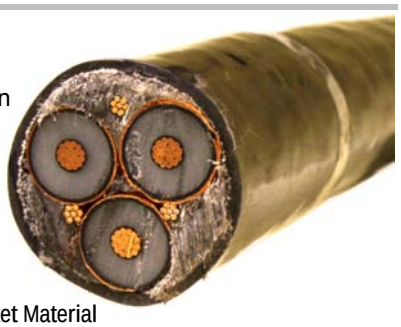
SCL Matl. Std.: 6020.06

Stock Unit: FT

Stock Number	Conductor Size	Conductor Alloy	Jacket Material
012098	1/0 AWG solid	aluminum	LLDPE

27 AND 28 KV CABLE, UNDERGROUND PRIMARY DISTRIBUTION

28 kV, 3/C + 3/Ground, Tape Shielded Cable



Description: Tree retardant, crosslinked polyethylene (TRXLPE) insulated, medium voltage power cable with three ground conductors. Refer to Material Standard and Design Standard 9660.04 for more information.

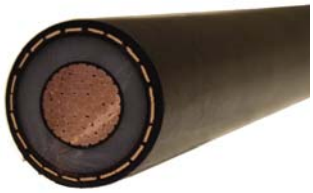
Application: For use on nominal 26.4 kV, three-phase, three wire, delta network systems.

SCL Mat'l. Std.: 6020.05

Stock Unit: FT

Stock Number	Conductor Size	Conductor Alloy	Jacket Material
613540	#1 AWG	copper	LLDPE
613543	350 kcmil	copper	LLDPE

28 kV, 1/C, Flat Strap Shielded Cable



Description: Tree retardant, crosslinked polyethylene (TRXLPE) insulated, medium voltage power cable. For more information refer to the Material Standard and Design Standard 9660.04 and for Stock Numbers 012101 and 012102, to Design Standard 9660.06.

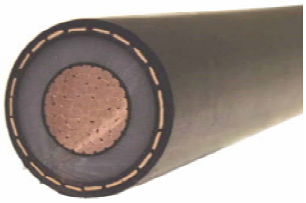
Application: For use on nominal 26.4 kV, three-phase, 4-wire, wye-connected, URD systems.

SCL Matl. Std.: 6020.07

Stock Unit: FT

Stock Number	Conductor Size	Conductor Alloy	Jacket Material
012099	350 kcmil	aluminum	LLDPE
012100	500 kcmil	copper	LLDPE
012101	750 kcmil	copper	LLDPE
012102	1000 kcmil	copper	LLDPE

28 kV, 1/C, Flat Strap Shielded Cable – Deplete Stock



Description: Tree retardant, crosslinked polyethylene (TRXLPE) insulated, medium voltage power cable. Refer to Material Standard and Design Standard 9660.04 for more information.

Application: For use on nominal 26.4 kV, three-phase, 4-wire, wye-connected, URD systems. At one time, specifically designated for use as the preferred and alternate feeds to the West Point Sewer Treatment plant. Now, this cable is no longer purchased. URD engineers are encouraged to work with Material Control to coordinate depleting existing inventory. Stock Numbers 012100 and 012102 are approved for use in emergency replacement situations after 613645 and 613655 are used up.

SCL Mat'l. Std.: 6020.14

Stock Unit: FT

Stock Number	Conductor Size	Conductor Alloy	Jacket Material
613645	500 kcmil	copper	LLDPE
613655	1000 kcmil	copper	LLDPE

28 AND 35 KV CABLE, UNDERGROUND PRIMARY DISTRIBUTION, TRXLPE

28 kV, 1/C, Drain Wire Shielded Cable – Deplete Stock

Description: Tree retardant, crosslinked polyethylene (TRXLPE) insulated, medium voltage power cable. Refer to Design Standard 9660.04 for more information. Drain wire shielded cables are no longer purchased. Engineers are encouraged to work with Material Control to coordinate depleting existing inventory. After inventory is depleted, use Stock Numbers 012099, 012100, 012101, and 012102. Information is retained for historical purposes.

Application: Formerly used on nominal 26.4 kV, three-phase, 4-wire, wye-connected, URD systems.

SCL Matl. Std.: none

Stock Unit: FT

Stock Number	Conductor Size	Conductor Alloy	Jacket Material
613613	350 kcmil	aluminum	PVC
613615	500 kcmil	copper	PVC
613618	750 kcmil	copper	PVC
613619	1000 kcmil	copper	PVC

35 kV, 1/C, Tape Shielded Cable

Description: Tree retardant, crosslinked polyethylene (TRXLPE) insulated, medium voltage power cable. Insulation has a nominal thickness of 420 mil, resulting in an insulation level of 133 percent. Refer to Material Standard and Design Standard 9660.04 for more information.

Application: For use on nominal 34.5 kV, three-phase, 4-wire, wye-connected, URD systems. Used at South Substation and Salmon Bay Steel plant (now Nucor Steel).

SCL Matl. Std.: 6236.60

Stock Unit: FT

Stock Number	Conductor Size	Conductor Alloy	Jacket Material
623655	1000 kcmil	copper	LLDPE

HIGH VOLTAGE CABLE

115 kV, 1/C, WELDED COPPER SHIELD CABLE

Description: Crosslinked polyethylene (XLPE) insulated, LLDPE jacketed, high voltage power cable.

Application: For use on nominal 115 kV, three-phase, grounded wye-connected power systems. Stock Number 012799 was first installed along route of Alaskan Way Viaduct in 2009. The 115 kV cable is not stocked. Contact Transmission Engineering if your project requires a cable of this voltage class.

Stock Unit: FT

012799

Stock Number	Conductor Size	Conductor Alloy	Material Standard
012799	1000 kcmil	copper	6050.10
012801	2500 kcmil	copper	6050.25
012958	3000 kcmil	copper	6050.30

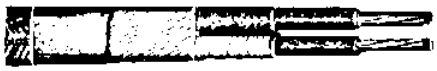
OVERHEAD SERVICE AND STREETLIGHT CABLE, 600 V

OVERHEAD SERVICE ENTRANCE CABLE, Copper

Description: Style U.
SCL Matl. Std.: none
Stock Unit: FT

Stock Number	Phase Conductor Size	Neutral Conductor Size
614114	2-#4	#4
614115	2-#2	#4

OVERHEAD STREETLIGHT CABLE, Copper



SCL Matl. Std.: 6404.40
Stock Unit: FT

Stock Number	Size, AWG	Number of Conductors	Insulation Type
640440	#12	duplex	XLPE

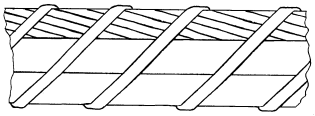
OVERHEAD TRIPLEX AND QUADRUPLEX SERVICE DROP CABLE, Aluminum

Description: Neutral-supported, 600 V, aluminum, cross-linked polyethylene (XLPE) insulated, multiplex cable.
Application: Cable assemblies are for single-phase, 3-wire, and three-phase, 4-wire secondary and service drops nominally rated up to 480 V phase-to-phase, 60 Hz. Cable assembly is for overhead application. Support is provided by the bare, 6/1 ACSR, neutral messenger. Refer to the Material Standard for neutral conductor strength ratings and other technical data. Code words are defined by the Aluminum Association. Stock Number 013271 has special application as an overhead conductor for temporary streetlight services.

SCL Matl. Std.: 6007.50
Stock Unit: FT

Stock Number	Phase Conductor Size, AWG/ kcmil	Neutral Conductor Size, AWG	Packaging	Code Name	Type
013271	#6	#6	coil (500´)	Voluta-XLP	triplex
600672	#2	#4	reel	Cockle-XLP	triplex
600673	#2	#4	coil (400´)	Cockle-XLP	triplex
600664	1/0	#2	reel	Janthina-XLP	triplex
012580	1/0	#2	coil (250´)	Janthina-XLP	triplex
600669	4/0	2/0	reel	Cerapus-XLP	triplex
600734	#2	#2	reel	Palomino-XLP	quadruplex
600735	1/0	1/0	reel	Costena-XLP	quadruplex
600738	4/0	4/0	reel	Appaloosa-XLP	quadruplex
600741	350	4/0	reel	none	quadruplex

OVERHEAD PARALLEL LAY TRIPLEX CABLE, Aluminum



Description: XLPE insulated prelashed to bare neutral messenger.
SCL Matl. Std.: 6006.2
Stock Unit: FT

Stock Number	Phase Conductor Size	Neutral Conductor Size
600612	4/0	1/0

UNDERGROUND ALUMINUM SERVICE AND STREETLIGHT CABLE

600 V, Aluminum, Underground, Single Conductor Cable

Description: 600 V, aluminum, cross-linked polyethylene (XLPE) insulated, single conductor cable. Cable is marked RHH-RHW-2-USE-2.
Application: Single conductor cable is for network secondary applications nominally rated up to 480 V phase-to-phase, 60 Hz. Cable shall be suitable for installation in ducts and direct burial in wet or dry locations. Code words are defined by the Aluminum Association.
SCL Matl. Std.: 6010.10
Stock Unit: FT

Stock No.	Conductor Size	Packaging	Type	Code Word
601011	4/0 AWG	reel	1/C	Beloit-XLP-AA8000, except triple rated USE-2 RHH RHW-2
601014	350 kcmil	reel	1/C	Rutgers-XLP-AA8000, except triple rated USE-2 RHH RHW-2
601015	500 kcmil	reel	1/C	Emory-XLP-AA8000, except triple rated USE-2 RHH RHW-2
601016	750 kcmil	reel	1/C	Sewanee-XLP-AA8000, except triple rated USE-2 RHH RHW-2

600 V, Aluminum, Underground, Triplex and Quad Service Drop Cable

Description: 600 V, aluminum, cross-linked polyethylene (XLPE) insulated, multiplex cable. Cable is marked USE-2.
Application: Multiplex cable is for URD secondary applications consisting of single-phase, 3-wire, and three-phase, 4-wire systems nominally rated up to 480 V phase-to-phase, 60 Hz. Cable shall be suitable for installation in ducts and direct burial in wet or dry locations. Code words are defined by the Aluminum Association.
SCL Matl. Std.: 6010.10
Stock Unit: FT

Stock No.	Phase Conductor Size	Neutral Conductor Size	Packaging	Type	Code Name
605040	4/0 AWG	2/0 AWG	reel	triplex	Sweetbriar-XLP-YES-USE-2
					Regis-XLP-USE-2
605076	350 kcmil	4/0 AWG	reel	triplex	Wesleyan-XLP-YES-USE-2
					Concordia-XLP-USE-2
605084	500 kcmil	350 kcmil	reel	triplex	Rider-XLP-YES-USE-2
					Brooklyn-XLP-USE-2
605142	4/0 AWG	2/0 AWG	reel	quadruplex	Wake Forest-XLP-YES-USE-2
					Lander-XLP-USE-2
605176	350 kcmil	4/0 AWG	reel	quadruplex	Slippery Rock-XLP-YES-USE-2
					Susquehanna-XLP-USE-2
605186	500 kcmil	350 kcmil	reel	quadruplex	Page-XLP-YES-USE-2
					Valparaiso-XLP-USE-2

600 V, Aluminum, Underground, Single Conductor Cable

Description: 600 V, aluminum, cross-linked polyethylene (XLPE) insulated, single conductor cable. Cable is marked XHHW-2.
Application: Cable is for network secondary applications, nominally rated up to 480 V phase-to-phase, 60 Hz, where increased flexibility and reduced overall diameter are required. Cable shall be suitable for wet or dry installation in ducts. Cable is not appropriate for direct burial.
SCL Matl. Std.: 6009.0
Stock Unit: FT

Stock No.	Conductor Size	Overall Diameter, Maximum	Packaging	Type
601018	750 kcmil compact	1.09 in.	reel	1/C

UNDERGROUND COPPER SERVICE AND STREETLIGHT CABLE

600 V, COPPER, UNDERGROUND, SINGLE CONDUCTOR CABLE

Description: 600 V, copper, cross-linked polyethylene (XLPE) insulated, single conductor cable. Cable is marked RHH-RHW-2-USE-2.

Application: Cable is for URD or network secondary systems nominally rated up to 480 V phase-to-phase, 60 Hz. Cable may be installed in single or parallel conductor runs. Cable shall be suitable for installation in ducts and direct burial in wet or dry locations. Smaller AWG sizes are also used to make up secondary leads for overhead transformers (bug legs).

1/0 and 3/0 AWG cable, Stock Numbers 613732 and 613734 respectively, are for emergency replacement only. Do not use these sizes for new construction. 300 kcmil cable, Stock Number 613737, is being phased out to consolidate inventory. Use existing stock to depletion.

SCL Matl. Std.: 6010.00

Stock Unit: FT

Stock Number	Size	Packaging	Type
613730	#2 AWG	reel	1/C
613732	1/0 AWG	reel	1/C
613733	2/0 AWG	reel	1/C
613734	3/0 AWG	reel	1/C
613735	4/0 AWG	reel	1/C
613736	250 kcmil	reel	1/C
613737*	300 kcmil	reel	1/C
613738	350 kcmil	reel	1/C
613740	500 kcmil	reel	1/C
613743	750 kcmil	reel	1/C

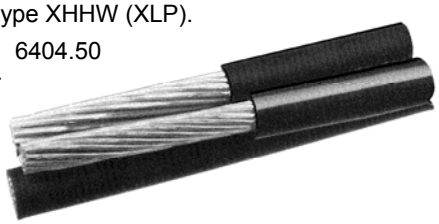
*Size being phased out to consolidate inventory. Use existing stock to depletion.

600 V, COPPER, STREETLIGHT CABLE

Description: Type XHHW (XLP).

SCL Matl. Std.: 6404.50

Stock Unit: FT



Stock Number	Size	Type
640450	#8 AWG	triplex

BARE COPPER WIRE AND BRAID

WIRE, Bare, Solid

Description: Soft annealed copper, bare, solid wire.

SCL Matl. Std.: 6102.2

Stock Unit: EA

Stock No.	Size, AWG
610222E	18
610218E	14
610210	06
610208	04

WIRE, Bare, Stranded

Description: Medium hard drawn copper, bare, stranded wire.

Application: For general use in stations.

SCL Matl. Std.: 6104.5

Stock Unit: EA

Stock No.	Size, AWG	Number of Strands	Nominal Diameter, in
610524	4/0	7	0.522

WIRE, Bare, Stranded

Description: Soft drawn copper, bare, stranded wire.

SCL Matl. Std.: 6103.90

Stock Unit: EA

Stock No.	Size, AWG/kcmil	Number of Strands
610434	#2	07
610425	2/0	07
610414	4/0	19
610412	250	37
610397	500	37

WIRE, Bare, Stranded

Description: Medium hard drawn, Class B copper, bare, stranded wire.

SCL Matl. Std.: none

Stock Unit: EA

Stock No.	Size, AWG	Number of Strands
610300	500	37

BRAID, Tinned Copper, Flat

Application: For grounding cable.

SCL Matl. Std.: none

Stock Unit: FT

Stock No.	Size, in	Circular mil Area	Approximate AWG Equivalent	Stranding	Approved Manufacturers: Alpha Wire	Continental Cordage	Cooner Wire	Electric Motion Co.
618614	1/4 x 3/64	6,000	12	240 x #36	–	231/1	NE 241036 T	EM241036
618615	1-3/4 x 0.08	124,800	2/0	1248 x #30	1241	279	–	EM482730
618624	5/8 x 3/32	36,000	5	360 x #30	–	242	NE 241530 T	EM241530
618625	5/8 x 3/64	13,200	9	528 x #36	–	233/1	NE 481136 T	EM481136

COPPER-CLAD STEEL WIRE

WIRE, Bare, Solid, Copper-Clad Steel

Description: Bare, solid, Grade 40HS, copper-clad steel wire.
Application: To fabricate pole grounds and in other applications where theft is a concern. Unlike solid copper wire, this conductor is very difficult to cut and has little value as salvage.
SCL Matl. Std.: 6100.00
Stock Unit: FT

Stock No.	Size, AWG	Packaging
012702	#4	50 lb. (431 ft.) coils

WIRE, Bare, Stranded, Copper-Clad Steel

Description: Bare, stranded, Grade 30HS, copper-clad steel wire. Overall conductor diameter is 9/16 inch. Weight is 65 pounds per 100-feet. One half second (30 cycle) fusing current is approximately 34,000 amperes. Refer to ASTM B228 for tensile strength and resistance per unit length values.
Application: To construct station ground mats and station ground risers and in other applications where theft is a concern. Unlike solid copper wire, this conductor is very difficult to cut and has little value as salvage.
SCL Matl. Std.: none
SCL Reference File: 6100.05
Stock Unit: FT

Stock No.	Size, AWG	Packaging
610600	7 No. 5	reel

THWN, TYPE NM, AND PORTABLE CORDS

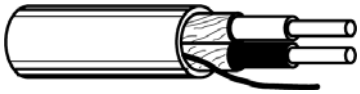
WIRE, THWN, 600 V, PVC, Copper

Per CL Matl. Std.: 6122.3
Stock Unit: FT

Stock No.	Size, AWG	Strand	Color
612215	14	solid	black
612217	14	solid	white
612218	14	solid	green
612219	12	solid	gray w/ black tracer
612220	12	solid	black
612221	12	solid	brown
612222	12	solid	white
010382	12	solid	white w/ black tracer
612223	12	solid	gray
612224	12	solid	red
612225	12	solid	blue
612226	12	solid	green
612227	12	solid	yellow
612228	12	solid	orange
612229	12	solid	purple
612230	12	19 strands	black
612232	12	19 strands	white
612233	12	19 strands	red
612234	12	19 strands	blue
612250	10	solid	black
612252	10	solid	white
612254	10	solid	red
612255	10	solid	blue
612256	10	solid	green
612260	10	19 strands	black
612272	10	19 strands	white
612274	10	19 strands	red
612275	10	19 strands	blue
612276	8	19 strands	black
612277	8	19 strands	green
612278	8	19 strands	white
612279	8	19 strands	red
612280	8	19 strands	blue
612282	6	19 strands	black
612284	6	19 strands	white
612286	6	19 strands	red
612287	6	19 strands	blue
612288	6	19 strands	green
612298	4	19 strands	black
612300	4	19 strands	white
612302	4	19 strands	red
612304	4	19 strands	blue
612306	4	19 strands	green

WIRE, 600 V, Thermoplastic Jacket, Copper

Description: 2 conductor with ground, thermoplastic insulation.
Per Federal Spec.: J-C-30
Stock Unit: FT



Stock No.	Size, AWG
612605	12

WIRE, ZIP CORD, 300 V, SPT-1

Description: Two conductor, plastic insulated.
Per CL Matl. Std.: none
Stock Unit: FT

Stock No.	Size, AWG	Strands
615874	18	41

WIRE, Portable Cord, Copper

Per CL Matl. Std.: 6158.2
Stock Unit: FT

Stock No.	No. of Cond.	Size AWG	Volt-age	Code Type	Color
615776	2	16	300	SJO	black
615777	2	14	300	SJO	black
615853	3	16	300	SJO	black
616090	3	14	300	SJO	black
615828	3	16	600	SO*	yellow
615829	3	14	600	SO*	yellow

* Types SOW, SOO, and SOOW are also acceptable.

STATIONS, SWITCHBOARD, CONTROL AND FIRE PROTECTION CABLE AND WIRE

WIRE, 600 V, Switchboard, Copper

Description: XLP insulated, 90 degree, type SIS.
Per SCL Matl. Std.: 6420.5
Stock Unit: FT

Stock No.	Size, AWG	Conductor Stranding
642082	14	C or D
642083	12	B
642084	10	B

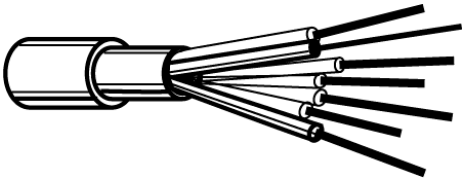
WIRE, Tinned Copper, 600 V, SRI

Application: #12 AWG, 65 strand, 150 degree Centigrade, SR-ML or SFF-2 for fire protection systems.
Per SCL Matl. Std.: none
Stock Unit: FT

Stock No.	Color
612500	white
612501	black
612502	blue
612503	red
012183	yellow

CONTROL CABLE, Multiconductor, Copper

Description: XLP insulated, XLP jacket and 19 strands.
Per SCL Matl. Std.: 6404.1
Stock Unit: FT



Stock No.	Size AWG	Number of Conductors	Insulation	Jacket
640442	12	2	0.030	0.045
640443	12	3	0.030	0.045
640444	12	4	0.030	0.045
640447	12	7	0.030	0.060
640449	12	9	0.030	0.060
640462	10	2	0.030	0.045
640464	10	4	0.030	0.060
640467	10	7	0.030	0.060
640469	10	9	0.030	0.060

BUS BAR, TUBING AND PLATE

ALUMINUM

BUS, Aluminum, Integral Web Channel (IWCB)

Description: Alloy 6101-T61.
Application: Non ventilated.
SCL Matl. Std.: none
Stock Unit: FT

Stock No.	Capacity, amps	Size, in	Alcoa Cat. No.
630051	7000	8 x 8	61648

BUS BAR, Aluminum

Description: Alloy 6101-T61.
Application: For aluminum bolts used with the aluminum bus bar see page 78-12, Stock No. 781813.
SCL Matl. Std.: none
Stock Unit: FT

Stock No.	Size, in
630055	3/8 x 4

PLATE, Aluminum

Description: Approved aluminum alloys 6061-T6 and 6061-T651.
SCL Matl. Std.: none
Stock Unit: FT

Stock No.	Size, in			Application
	Width	Length	Thick-ness	
630052	11	96	3/4	for IWCB connector plates
630053	12	72	3/4	for IWCB insulator plates

COPPER

BUS BAR, Copper, Rectangular

Description: Normally 12 foot lengths.
SCL Matl. Std.: 6300.0
Stock Unit: FT

Stock No.	Thickness, in	Width, in
630025	1/4	2
630026*	1/4	2-1/2
630027	1/4	3
630029	1/4	4
630030*	1/4	5
630031	1/4	6

* Contact Material Control for availability.

BUS BAR, Seamless Copper Pipe

SCL Matl. Std.: 6305.0
Stock Unit: FT

Stock No.	Thickness, in	Strength
630505	3/4	regular
630507	1-1/4	regular
630508	1-1/2	regular
630509	2	regular

COPPER TUBING, Type M, One Inch

Description: 1-1/8 OD x 0.035 wall thickness.
Application: For making ends on flexible jumpers for transformer secondaries.
SCL Matl. Std.: none
Stock Unit: FT
Stock Number: 630506

Connectors, Aluminum – Overhead Splices, Automatic, Compression, and Preformed	***1***
Connectors, Aluminum - Overhead Service, Compression and Wedge Splices and Midspan Tap	***3***
Connectors, Aluminum – for Aluminum and Copper Connections	***4***
Connectors, Transmission Deadends and Lugs ACSR & AAC	***6***
Connectors, Aluminum OH Wedge Taps, Stirrups and Copper Hot Line Taps	***8***
Connectors, Aluminum – Parallel Groove, Aerial Cable, Tap and Pigtail Adapter	***9***
Connectors, Aluminum – Lugs, Compression and Setscrew	***10***
Connectors, 1000 Ampere – UG Secondary (Cluster) and Streetlight Splice	***11***
Connectors, 2000 and 600 Ampere – UG Secondary (Cluster) and Streetlight Splice	***12***
Connectors, Copper – UG, Multiple (Burndy Mole)	***13***
Connectors, Copper – Overhead Line Splices, Compression and Automatic	***15***
Connectors, Copper Underground Straight Splices – Compression	***17***
Copper Underground "Y" Splices and Reducers, Copper Lugs, Compression	***18***
Connectors, Copper, Bolted	***19***
Connectors – Copper Setscrew & Wing Type	***20***
Connectors, Copper Substation – Bolted	***21***
Connectors - Grounding	***23***
Connectors - Grounding	***24***
Connectors: Copper – Compression and Wedge "C", Barrier, Grounding Wedge and "T"	***25***
Grounding Connectors – Clamps and Ball Grounds	***26***
Terminals, Spade, Insulated Solderless Type	***27***
Terminals, and Splices, Insulated Solderless Type	***28***
Terminals, and Splices, Insulated Non-Solderless Type	***29***

CONNECTORS, ALUMINUM – OVERHEAD SPLICES AUTOMATIC, COMPRESSION AND PREFORMED

SPLICE, ACSR, Full Tension

Per SCL Matl. Std.: None
Stock Unit: EA

Stock No.	kcmil	Code Word	Strand-ing	Alcoa Cat. No.	Die
659425	300	–	22/7	8076.719SP	6076AH
012591	397.5	Ibis	26/7	CJ096	6009CD
659123	477	Hen	30/7	CJ116	6011CD
659130	795	Drake	26/7	CJ126	6012CD
659144	795	Mallard	30/19	CJ146	6014CD
659148	954	Rail	45/7	CJ133	6013CD

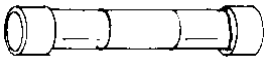
SPLICE, AAC, Full Tension

Per SCL Matl. Std.: None
Stock Unit: EA

Stock No.	kcmil	Code Word	Strand-ing	Alcoa Cat. No.	Die
659184	795	Arbutus	37	CJE11	6011CD

SPLICE, Aluminum, Full Tension

Application: For 1350 grade conductors.
Per SCL Matl. Std.: 6501.1
Stock Unit: EA



Stock No.	AWG or kcmil	Anderson Die
650174	4/0 to 336.4	VC5 (5)
650172	1/0 to 4/0 ACSR	VC5 (5)

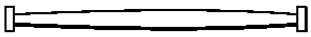
SPLICE, ACSR or AAC, Full Tension

Per SCL Matl. Std.: 6501.1
Stock Unit: EA

Stock No.	AWG or kcmil	Anderson Die
650196	4/0 to 397.5 ACSR	VC6 (24)
650198	397.5 to 477 ACSR	VC6 (24)

SPLICE, AUTOMATIC, ACSR, Full Tension

Per SCL Matl. Std.: 6775.6
Stock Unit: EA



Stock No.	Conductor Size	Rated Strength, Lbs.
650663	2/0	5,345
650665	4/0	8,420
650666	336.4	14,050
650668	397.5	–

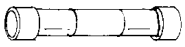
SPLICE, Formed Wire

Application: Partial tension on ACSR; full tension on AAC.
Per SCL Matl. Std.: 6591.8
Stock Unit: ST

Stock No.	Conductor Code	Conductor Size		Dia., in.
659195	Chickadee	397.5	ACSR	0.743
012592	Ibis	397.5	ACSR	0.783
659197	Arbutus	795	AAC	1.026
659194	Mallard or	795	ACSR	1.140
	Rail	954	ACSR	1.165

SPLICE, AAC or Copper, Partial Tension

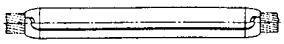
Per SCL Matl. Std.: 6501.1
Stock Unit: EA



Stock No.	AWG or kcmil	Die
650138E	4/0 to 477 ACSR or 500 AAC	VC6

REPAIR SLEEVE, ACSR

Application: For reinforcing broken or damaged conductor strands. Not suitable for use as a splice.
Per SCL Matl. Std.: None
Stock Unit: EA



Stock No.	kcmil	Code Word	Strand-ing	Alcoa Cat. No.	Die
659859	795	Mallard	30/19	RS14	6014CD

SPLICE, Minimum Tension

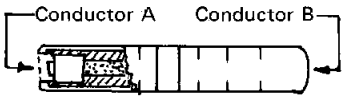
Tool: Anderson Versacrimp VC6
Per SCL Matl. Std.: 6501.1
Stock Unit: EA

Stock No.	Minimum	Maximum
650100E	#10 Solid	1/0 ACSR
650102E	#8 Solid	2/0 ACSR
650104E	#4 Solid	4/0 ACSR
650106E	2/0 Stranded	336.4 ACSR or 350 Str.

CONNECTORS, ALUMINUM – OVERHEAD SERVICE COMPRESSION AND WEDGE SPLICES AND MIDSPAN TAP

SPLICE, Al or Cu, SERVICE ENTRANCE, Insulated

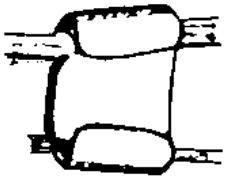
Per SCL Matl. Std. 6774.2
Tool: MD-6, Die: BG or 5/8
Stock Unit: EA



Stock No.	Conductor "A"			Conductor "B"		
	Al or Cu		Color Code	Al or Cu		Color Code
	Sol.	Str.		Sol.	Str.	
650561E	#1	#2	Red	#6	#8	Green
650563E	#1	#2	Red	#2	#3 & #4	Orange
650559E	#2	#3 & #4	Orange	#2	#3 & #4	Orange
650558E	#2	#3 & #4	Orange	#4	#5 & #6	Blue
650557E	#2	#3 & #4	Orange	#6	#8	Green
650564E	#1	#2	Red	#1	#2	Red
650562E	#1	#2	Red	#4	#5 & #6	Blue
650554E	#4	#5 & #6	Blue	#6	#8	Green
650565E	–	#1/0	Yellow	#1	#2	Red
650567E	–	#1/0	Yellow	#4	#5 & #6	Blue
650568E	–	#1/0	Yellow	#2	#3 & #4	Orange
650569E	–	#1/0	Yellow	–	#1/0	Yellow

SPLICE WEDGE PRESSURE, Non-insulated

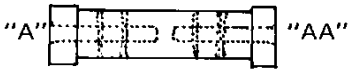
Non-tension splice/tap for triplex service drops and streetlight taps.
For Al to Al or Cu to Al conductors.
Not for Cu to Cu.
Stock Unit: EA



Stock No.	Groove 1 Cu/Al	Groove 2 Cu/Al	AMP Cat. No.
650400	#4	#10-14	83630-5
650402	#2	#10-14	83630-3
650404	#1/0	#10-14	83630-1
650406	#4/0	#10-14	83623-9
650410	#4	#4	83592-8
650412	#2	#4	83592-6
650414	#2	#2	83592-5
012384	#1/0	#4	83592-3
650416	#1/0	#2	83592-2
650418	#1/0	#1/0	83592-1
012385	#2/0	#4	83623-4
650420	#2/0	#2	83631-7
650422	#4/0	#2	83631-1
650424	#4/0	#1/0	83631-2

SPLICE, ACSR Neutral

For splicing triplex or quadruplex neutrals.
Per SCL Matl. Std. 6774.3
Tool: MD-6, Die: BG or 5/8.
Stock Unit: EA



Stock No.	Conductor "A"	Conductor "AA"
650501E	#4	#4
650502E	#2	#2
650503E	#1/0	#1/0

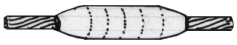
MIDSPAN TAP, Neutral

Per SCL Matl. Std. No. 6596.4
Use with 5/8" x 4-1/2" bolt, lock washer and nut.
Stock Unit: EA

Stock No.	Conductor Range	
	Main	Tap
651110	#1/0 ACSR to 3/0 Str.	#4 Str. to #2 ACSR

CONNECTORS, ALUMINUM – FOR ALUMINUM AND COPPER CONNECTIONS

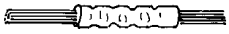
SPLICE, TAPERED
For conductors energized 4 kV or higher; Al-Al, Al-Cu, or Cu-Cu; oil stop; tin-plated.
Per City Light Spec. 6774.7
Stock Unit: EA



Stock No.	Conductor Size	Tool & Dies	
		MD-6	Y35/Y39
650631	#1 Str. & 1/0 Sol.	W1CRT (2)	U1CART (2)
650632	1/0	W25RT (2)	U25ART (2)
650634	4/0	W28RT (2)	U28ART (2)
650637	350	–	U31ART (2)
650639	500	–	U34ART (4)
650641	750	–	❖P39ART (2)

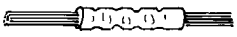
❖ Y46 tool.

SPLICE, REDUCING, Al. or Cu.
For splicing aluminum conductors to copper.
Stock Unit: EA



Stock No.	Alum. kcmil	Cu. kcmil	Burndy Cat. No.	Tool & Dies	
				Y35/Y39	Y46
650591	500	350	YR34A31CAT	U34ART (4)	–
650593	750	500	YR39A34CAY or MAC MAPR750-500-1.59	–	P39ART (2)

SPLICE, Al. or Cu.
Stock Unit: EA
Per City Light Spec. 6774.1



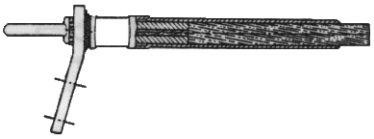
Stock No.	kcmil	Tool & Dies	
		Y35/Y39	Y46
650609	350	U31ART (4)	❖U31ART (4)
650611	500	U34ART (2)	❖U34ART (2)
650613	750 & 750CR	–	P39ART (2)
		U39ART (2)	–

❖with adapter

THE NEXT PAGE (65-5) RESERVED FOR FUTURE USE.

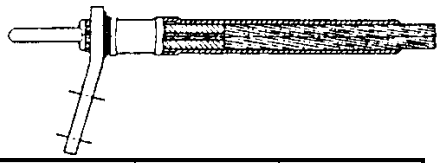
CONNECTORS, TRANSMISSION DEADENDS & LUGS
ACSR & AAC

DEADEND, ACSR, SINGLE 15° TANG
Transmission line connector
Stock Unit: EA



Stock No.	kcmil	Code Word	Stranding	Alcoa Cat. No.	Die
659668	795	Drake	26/7	HES126	6012CD
659669	795	Mallard	30/19	HES146	6014CD
659799	954	Rail	45/7	HES133	6013CD

DEADEND, AAC, SINGLE 15° TANG
Transmission line connector
Stock Unit: EA



Stock No.	kcmil	Code Word	Stranding	Alcoa Cat. No.	Die
659239	795	Arbutus	37	HESE110	6011CD

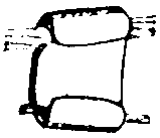
TERMINAL LUG, 15°, for ACSR & AAC
Stock Unit: EA

Stock No.	kcmil	Code Word	Stranding	Alcoa Cat. No.	Die
651220	477 795	Hen Arbutus	30/7 37/0	TF11	6011CD
651222	795	Mallard	30/19	TF14	6014CD
651224	795 954	Drake Goldenrod	26/7 61/0	TF12	6012CD
651229	954	Rail	45/7	TF13	6013CD

THE NEXT PAGE (65-7) RESERVED FOR FUTURE USE.

CONNECTORS, ALUMINUM OH WEDGE TAPS, STIRRUPS AND COPPER HOT LINE TAPS

WEDGE TAPS, AL AND CU, Ampact Type, Requires Use Of Ampact Tool



Per SCL Material Standard: None
Stock Unit: EA

Stock No.	Conductor Range Main	Conductor Range Tap	AMP Cat. No.
651090	2/0	2/0	600411
651091	4/0	4/0	600466
651092	300-397.5	#4 Sol.	602013
651093	250-397.5	2/0	602002
651094	250-397.5	4/0	602004
651095	336.4	336.4	602007
651096	477	500	1-602031-3
651097	477	2/0, 4/0	1-602031-8
651099	4/0	#4	600456
651100	954 ACSR	397.5 AAC, ACSR	602180-8
651101	397.5	397.5	1-602031-4
651102	4/0 Str.	#1 to 1/0	600458
651105	#2 ACSR	#2 Str. Cu	600403
651106	1/0 Str.	#2 Sol. Cu	602283-1
651107	954 ACSR	954 AAC or ACSR	602180-2
651108	954 ACSR	795 & 954 AAC	602180-3
651109	795 ACSR	795 AAC	602180-4
651113	954 ACSR	500 Cu	602180-7
651116♣	4/0 Cu	4/0 Cu	275187-6

♣ For all Cu connector tower crossings.

CARTRIDGE, Ampact Type

Application: Used in Ampact tools to install and remove wedge taps.
Per SCL Material Standard: None
Stock Unit: EA

Stock No.	Used with Tap Sizes	Shell Color	AMP Cat. No.
750010	2/0 to 4/0	Blue	69338-1
750012	to remove blue	Red	69338-2
750015	336.4 to 477	Yellow	69338-4
750016	SCL Stk. No. 651106	White	69338-5

STIRRUPS, HOT LINE, Wedge Clamp

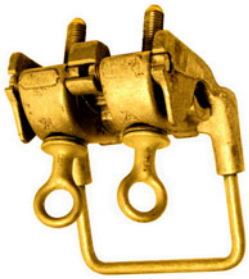
Description: Wedge type hot line clamp, also known as a stirrup. Bails are 2/0 tinned copper, or larger. Stock No. 580676 has a 4/0 bail. Clamps are individually packaged to prevent contamination.

Application: Stirrups protect primary conductors from wear by providing a connection point for hot line tap clamps. Clamp is designed for installation on energized conductors.
Per SCL Material Standard: None
Stock Unit: EA

Stock No.	Conductor Size	Manufacturer	Catalog No.
580671	336.4	AMP	602142
580672	397.5	AMP	602143
580673	477	AMP	602248
580676	954	AMP	602237

STIRRUPS, HOT LINE, Bolted

Description: Bolted type hot line clamp, also known as a stirrup. Clamp jaws are pre-filled with inhibitor. Clamps are individually packaged to prevent contamination.



Application: Stirrups protect primary conductors from wear by providing a connection point for hot line tap clamps. Clamp is designed for installation on energized conductors.
Per SCL Material Standard: None
Stock Unit: EA

Stock No.	Conductor Size	Manufacturer	Catalog No.
580678	397.5 to 954	Anderson	AHLS-954022-E-TB-XB

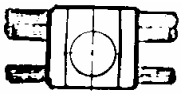
CLAMP, HOT LINE TAP, Cu

Per SCL Material Standard: 5807.1
Stock Unit: EA

Stock No.	Conductor Size Main	Conductor Size Tap
580725E	#8 Sol. to 2/0	#8 Sol. to 2/0
580727	#6 to 400	#6 Sol. to 4/0

CONNECTORS, ALUMINUM
PARALLEL GROOVE, AERIAL CABLE, TAP AND PIGTAIL ADAPTER

CLAMP, PARALLEL GROOVE, Bolted
Per: NEMA SG1
SCL Matl. Std.: none
Stock Unit: EA



	Conductor Size		Manufacturer's Catalog Numbers		
Stock No.	**Main**	**Tap**	**Burndy**	**Penn-Union**	**Utilco**
652020E	#6 to 1/0	#6 to #2	UC25R2RS	PCA-010H-BF	PG810S

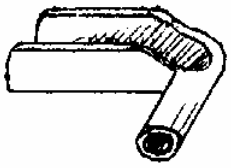
CLAMP, AERIAL CABLE
Description: Malleable iron without coating. Full threaded.
Application: Use with 5/8″ x 4-1/2″ bolt, lock washer and nut.
SCL Matl. Std.: none
Stock Unit: EA

Stock No.	Joslyn Catalog No.
581348	PA332

TAP, PARALLEL GROOVE, Two Bolt
Application: Suitable for Al to Al and Al to Cu.
SCL Matl. Std.: 6693.5
Stock Unit: EA

	Conductor Size	
Stock No.	**Main**	**Tap**
651132	4/0 to 336.4 250 to 350	#6 to 336.4 ACSR #6 to 350 Al
651134	336.4 to 715.5 400 to 800	3/0 to 715.5 ACSR 3/0 to 800 Al

TAP, CLOSED
Tool: Anderson Versacrimp VC6 (2) (3)
SCL Matl. Std.: 6501.1
Stock Unit: EA



	Conductor Size	
Stock No.	**Main**	**Tap**
650314	2/0 to 4/0	#4 to 4/0

PIGTAIL ADAPTER
Application: For connecting aluminum conductors to copper equipment terminals.
SCL Matl. Std.: 6772.00
Stock Unit: EA

		Tool and Die		
Stock No.	**Conductor Size**	**MD-6**	**Y35-Y39**	**Y46**
686076	#8 Kerite	BG, 5/8	U-BG, U-5/8	–
686056	1/0 solid	–	UK840	–
650578	350	–	U31ART	–
650579	500	–	U34ART	–
686075	750 CCR	–	–	P39ART
686078	1000 CCR	–	P39ART (2)*	P44ART
010320	1000 CR	–	See 6772.0	See 6772.0

*Requires use of adapter.

CONNECTORS, ALUMINUM - LUGS, COMPRESSION AND SETSCREW

SECONDARY LUG

Per CL Matl. Std. 6774.9.
Stock Unit: EA

Stock No.	Conductor Size	Tool and Die	
		MD-6	Y35/Y39
651255	#1, #1 Sol to #2 Comp	W-K840	U-K840
651256	1/0 Str to 1/0 & 2/0 Comp	W-K840	U-K840
651257	2/0 Str to 3/0 Comp	W-K840	U-K840
651258	3/0 Str to 4/0 Comp	W-K840	U-K840
651265	4/0 to 250 Str, 250 to 350 Comp.	W-K840	U-K840

SECONDARY LUG

Per CL Matl. Std. 6774.8.
Two holes for 1/2" bolt except as noted. ✦
Stock Unit: EA

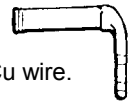
Stock No.	Conductor Size	Tool and Die	
		Y35/Y39	Y-46
651267	300 Str. to 350 Comp.	U30ART	–
651268	350 Str. to 400 Comp.	U31ART	–
651269	400 Str. to 500 Comp.	U32ART	–
651270	500 Str. to 600 Comp.	U34ART	–
651294	500 Str. to 600 Comp. ✦(Holes for 5/8" bolt)	U34ART	–
651271	600 Str. to 700 Compact	U36ART	–
651274	600-700 Str. to 700-795 Compact	U39ART	–
651275	600-700 Str. to 700-795 Comp. ✦(Holes for 5/8" bolt)	U39ART	–
651272	700-800 Str. to 1000 Compact	–	P39ART
651295	1000 Str./Comp. (2 holes)	T&B 15 ton - 140H	–
651296	1000 (4 holes) (Feeder only)	T&B 15 ton - 140H	–

SECONDARY STACKING LUG

Per CL Matl. Std. 6774.8
Stock Unit: EA

Stock No.	Wire Size	For Bolt Size	Tool and Die	
			Y35/Y39	Y-46
651276	4/0 Str	1/2"	U28ART	–
651277	350	1/2"	U31ART	–
651278	500	5/8"	U34ART	–
651279	750	5/8"	–	P39ART

90° LUG



Two holes for 1/2" bolt. Tin plated for Al or Cu wire.
Stock Unit: EA

Stock No.	Wire Size	Homac Cat. No.
012262	500	AL500-NTN-90
651324	750	AL750-NTN-90

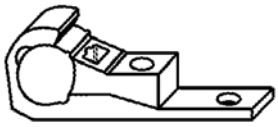
LUG, BI-METALLIC TRANSITION

With bi-metallic transition plate.
Stock Unit: EA

Stock No.	Wire Size	Tool and Die	Anderson Cat. No.
650267	4/0 to 477(18/1) ACSR 4/0 to 500 AAC 500 Cu	Anderson VC6	VAUL-500-12BN & TP-B

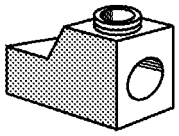
LUG, BOLTED, "Cytolok"®

Per CL Matl. Std.6688.5
Stock Unit: EA



Stock Number	Wire Size AWG or kcmil
668822	1/0 to 2/0
668823	3/0 to 4/0
668825	350 to 400
668826	500 to 600

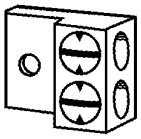
LUG, SINGLE HOLE, Set Screw



Tinned Aluminum
Stock Unit: EA

Stock Number	Wire Size AWG or kcmil	Stud Size	Mfr. & Cat. No.
651310	#6 to 250	21/64"	Ilsco TA 250
651312	#4 to 600	3/8"	Ilsco TA 600

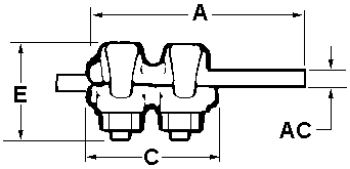
LUG, TWO HOLE, Set Screw



Tinned Aluminum
Stock Unit: EA

Stock Number	Wire Size AWG or kcmil	Stud Size	Mfr. & Cat. No.
651314	#14 to 1/0	17/64"	Ilsco AU-0

LUG, Bolted



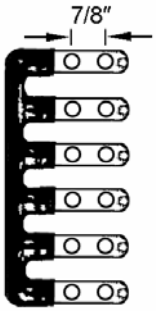
2 Hole pad.
For 795 & 954 ACSR
Torque to 40 Ft-Lbs.
Stock Unit: EA

Stock No.	Dimensions, Inches				Alcoa Cat. No.
	A	C	E	AC	
651214	12.75	9.25	4.81	0.69	724B

CONNECTORS, 1000 AMPERE – UG SECONDARY (CLUSTER) AND STREETLIGHT SPLICE

MULTIPLE CONNECTORS, One-Way

Description: Insulated submersible connectors for secondary cable.
SCL Matl. Std.: 6780.0
Stock Unit: EA



Stock No.	Positions
678707	4▲
678713	6▲
678715	8▲
678800	3
678703	3£

▲ Connectors are equipped with streetlight terminal.
£ For streetlight circuits, AWG wire sizes #12 solid to #4 stranded.

ACCESSORIES

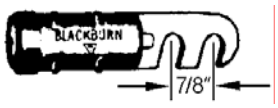
SCL Matl. Std.: 6786.2
Stock Unit: EA

678618

Stock No.	Item	Application
678618E	Sleeve plug	Used with sleeve to protect unused conductor.
678663	Cover with plug	For streetlight terminal on submersible multiple connectors. AWG wire sizes #12 solid to #4 stranded.

TERMINAL LUGS

SCL Matl. Std.: 6786.0
Stock Unit: EA



Stock No.	Cable Size, AWG or kcmil: Stranded	Cable Size, AWG or kcmil: Com-pressed	Die: MD6 Tool	Die: Y-35 Tool
678695E	#6	#6	WK-840(2)	UK-840(2)
678697E	#4	#4	WK-840(2)	UK-840(2)
678692E	#2	#2	WK-840(2)	UK-840(2)
678693E	#1	#1	WK-840(2)	UK-840(2)
678694E	1/0	1/0	WK-840(2)	UK-840(2)
678687E	2/0	2/0	WK-840(2)	UK-840(2)
678696E	3/0	3/0	WK-840(2)	UK-840(2)
678689E	4/0	4/0	WK-840(2)	UK-840(2)
678698E	250	400	–	U-655(2)
678699E	300-350	350	–	U-655(2)
678700E	400-500	500	–	U-655(2)

TERMINAL LUG, Extra Long Barrel

Description: Tin plated, two-hole, copper compression terminal lug, for #2 AWG stranded copper conductor, with extra long barrel.
Application: Extra long barrel terminal lugs are used to help maintain a watertight seal when connecting bare, stranded, transformer ground conductors to 600 volt, 1000 A, submersible, insulated bus.
SCL Matl. Std.: none
SCL Standards File: 6786.05
Stock Unit: EA

012729

Stock No.	Manu-facturer	Catalog No.	Die: MD6 Tool	Die: Y-35 Tool
012729	Blackburn /Thomas & Betts	LCU22L	W-162(2)	U-162(2)

CONNECTORS, 2000 AND 600 AMPERE – UG SECONDARY (CLUSTER) AND STREETLIGHT SPLICE

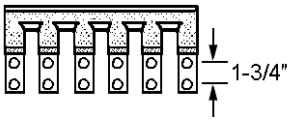
2000 Ampere

MULTIPLE CONNECTORS, One-Way

Description: With bolts and washers.

SCL Matl. Std.: none

Stock Unit: EA



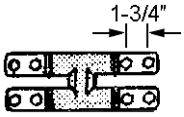
Stock No	Positions	Homac	CMC/ESP
678760	4	FS175-4	UCD-40
678761	6	FS175-6	UCD-60
678763	8	FS175-8	UCD-80

MULTIPLE CONNECTORS, Two-Way

Description: With bolts and washers. Accepts copper or aluminum 4/0 AWG to 1000 kcmil connectors.

SCL Matl. Std.: none

Stock Unit: EA



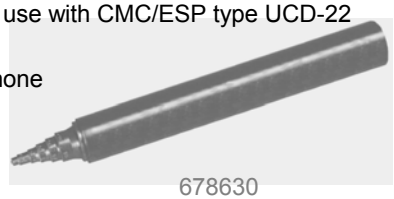
Stock No	Positions	Homac	CMC/ESP
678750	4	FS22-175	UCD-22
678752	12	FS66-175	UCD-66

INSULATING SLEEVE, 13 inches long

Description: For use with CMC/ESP type UCD-22 connectors.

SCL Matl. Std.: none

Stock Unit: EA


678630

Stock No	Wire Size	Homac
678630	4/0 AWG to 1000 kcmil	FS1175

INSULATING SLEEVE

Application: For use with multiple submersible connectors.

Stock Unit: EA

Stock No	Matl. Std.	Wire Size	OD, in
678620E	6786.2	#6 AWG to 500 kcmil	0.22 to 1.16

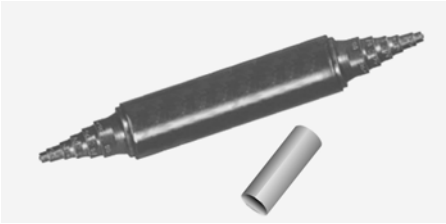
600 Ampere

STREETLIGHT SPLICE, Submersible

SCL Matl. Std.: none

Stock Unit: EA

Stock No	Wire Size, AWG	Homac
678665	#6	ULSK-6



CONNECTORS, COPPER - UG, MULTIPLE (Burndy Mole)

SOCKET & NUB ASSEMBLY
For use with Burndy Moles
Stock Unit: Each

Stock No.	Stud Size - In.	Outlet Size	Burndy Desig.	Burndy Cat. No.
678326	7/8	500	B	Z34NRB

Deplete stock to zero. Return salvaged for Temp. Svc's.

CONE, COMPRESSION
For use with Burndy Moles
Stock Unit: Each

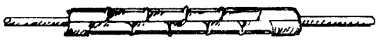
Stock No.	For use with Burndy socket & nut assy. No	Outlet Size	Burndy Cat. No.
678397	Z34NR & Z34NRB	500	Z3434

Deplete stock to zero. Return salvaged for Temp. Svc's.

THE NEXT PAGE (65-14) RESERVED FOR FUTURE USE.

CONNECTORS, COPPER – OVERHEAD LINE SPLICES, COMPRESSION & AUTOMATIC

SPLICE, COMPRESSION, FULL TENSION
Per C.L. Spec. 6778.1
Stock Unit: Each



Stock No.	Conductor Size AWG or kcmil	Tool Groove	Nicopress Tool
677796E	#10 Sol.	C	31-CJ
677802E	#8 Sol.	J	53-XPT
677803E	#6 Sol.	J	53-XPT
677804E	#4 Sol.	M	41-MJ
677808	#2 Sol.	X	53-XPT
677901	2/0 Str.-3/0 Sol.	G3	88
677903	4/0 Str.	H5	88

SPLICE, AUTOMATIC
For splicing overhead conductors
Per C.L. Spec. 6775.4
Stock Unit: Each

Stock No.	Wire Size - AWG or kcmil			
	Solid		Stranded	
	"A"	"B"	"A"	"B"
677532E	6	6	8	8
677533E	4	4	6	6
677535E	2	2	3	3
677536	1	1	2	2
677537	1/0	1/0	1	1
677538	2/0	2/0	1/0	1/0
677539	3/0	3/0	2/0	2/0
677540	4/0	4/0	3/0	3/0
677541	---	---	4/0	4/0
677544	---	---	300	300
677545	---	---	350	350

SPLICE, AUTOMATIC, REDUCING
For splicing overhead conductors
Per C.L. Spec. 6775.4
Stock Unit: Each

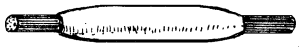
Stock No.	Wire Size - AWGl			
	Solid		Stranded	
	"A"	"B"	"A"	"B"
677556E	4	6	6	8
677577	3/0	2/0	2/0	1/0
677581	---	4/0	4/0	3/0

THE NEXT PAGE (65-16) RESERVED FOR FUTURE USE.

CONNECTORS, COPPER UNDERGROUND STRAIGHT SPLICES, – COMPRESSION

SPLICE, COMPRESSION, TAPERED

For high voltage cable.
C.L. Spec. 6774.6
Stock Unit: EA

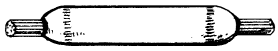


Stock No.	Conductor Size AWG or kcmil	Tool and Die MD-6	Tool and Die Y35/39
677337	#1	-	U1CRT(2)
677338	1/0	W163(2)	U25CRT(2)
677340	3/0	W243(2)	U27CRT(2)
677341	4/0	W-BG(2)	U28CRT(2)
677343	300	-	U30CRT(2)
677345	350	-	U31CRT(2)
677347	500	-	U34CRT(2)
677348	600	-	U36CRT(2)
677349	750	-	❖ P39CRT(2)
677351	1000	-	❖ S44RT(2)

❖ Use Y46 Tool

SPLICE, COMPRESSION, TAPERED OIL STOP

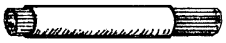
With oil-stop barrier.
C.L. Spec. 6774.5
Stock Unit: EA



Stock No.	Conductor Size AWG or kcmil	Tool and Die MD-6	Tool and Die Y35/39
677300	#4	W161	U4CRT
677303	#1	-	U1CRT
677304	2/0	W241	U26CRT
677306	3/0	W243	U27CRT
677309	300	-	U30CRT
677310	350	-	U31CRT
677311	500	-	U34CRT

SPLICE, COMPRESSION

Per C.L. Spec. 6773.8
Stock Unit: EA



Stock No.	Conductor Size AWG or kcmil	Tool and Die MD-6	Tool and Die Y35/39
677354E	#6	-	U5CRT(2)
677355E	#4	W161(2)	U4CRT(2)
677357E	#2	W162(2)	U2CRT(2)
677358	#1	-	U1CRT(2)
677359	1/0	W163(2)	U25CRT(2)
677360	2/0	W241(2)	U26CRT(2)
677361	3/0	W243(2)	U27CRT(2)
677362	4/0	W-BG(2)	U28CRT(2)
677363	250	-	U29CRT(2)
677364	300	-	U30CRT(2)
677365	350	-	U31CRT(2)
677367	500	-	U34CRT(2)
677371	750	-	❖ P39CRT(2)
677373	1000 CR	-	❖ P46RT

❖ Use Y46 Tool

SPLICE, COPPER, TINNED, COMPRESSION

Length = 5.625” ± 0.125”
Stock Unit: EA

Stock No.	Conductor Size	Richards Cat No.	Tool & Die
687630	750 kcmil CCR ***ONLY***	CC23CR	Sommerset 99H

(also shown on page 70-19)

COPPER UNDERGROUND "Y" SPLICES AND REDUCERS, COPPER LUGS, COMPRESSION

SPLICE TAP, for Heat Shrink "Y" Splice

SCL Matl. Std.: none
Stock Unit: EA

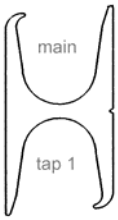
figure 1


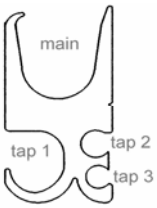
figure 2


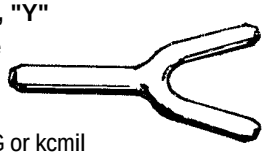
figure 3

Stock No.	Figure	Conductor Size - AWG or kcmil Main	Tap 1	Tap 2	Tap 3	Tool Y46 Die	Color Code	Burndy Cat. No.	Use with Raychem Splice Stock No.
663570	1	#2 to 250	#2 to 250	–	–	P654 (2)	purple	YSH2929	687540
663572	2	350 to 750	1/0 to 350	#1 to #6	#2 to #14	PYFR (2)	yellow	YSH3931	687541
663574	1	500 to 750	350 to 750	–	–	PYFR (2)	yellow	YSH3939	687541
011908	3	1000 to 750	250 to #2	–	–	PYFR (2)	yellow	YSH4429	011919
012959	1	1000 to 750	1000 to 750	–	–	P1102	white	YSH4444	011909*

* Kit 011909 will only work with 1000-750 main, #1-350 tap

SPLICE, COPPER, COMPRESSION, "Y"

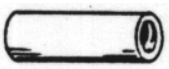
Application: for splicing 13-kV cable
SCL Matl. Std.: 6775.10
Stock Unit: EA



Stock No.	Conductor Size, AWG or kcmil		
663506	3/0	3/0	3/0
663524	350	350	3/0
663530	350	350	350
663538	500	500	3/0
663544	500	500	500
663559	750	750	350
663561	750	750	750
663562	1000	1000	350
663563	1000	1000	3/0
663564	1000	1000	500
663565	1000	750	750
663567	1000	750	350
010129	1000	1000	1000

ADAPTER, REDUCING - Copper

SCL Matl. Std.: 6774.4
Stock Unit: EA



Stock No.	Size From	To	Length, in
679775	3/0	#1	2
679778	350	#1	2
679780	350	3/0	2
679783	500	3/0	2-3/4
679785	500	350	2-1/2
679789	750	350	2-7/8
679790	750	500	2-7/8
679791	1000	750	3

TERMINAL LUG, COMPRESSION

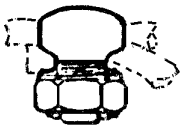
Application: Copper compression terminals are used to connect copper conductors to equipment terminals, bus, or grounds.
SCL Matl. Std.: 6770.7
Stock Unit: EA

Stock No.	Conductor, AWG or kcmil	Bolt Size, in	No. of Holes	Tool and Die MD6	Y35/Y39
677065E	#6	1/4	1	–	U5CRT
677069E	#4	1/2	2	W161	U4CRT
677071E	#2	1/2	1	W162	U2CRT
677072E	#2	3/8	1	–	U2CRT
677075E	1/0	1/2	1	W163	U25CRT
677077E	2/0	1/2	1	W241	U26CRT
677079E	3/0	1/2	1	W243	U27CRT
677081E	4/0	1/2	2	W-BG	U28CRT
677083E	250	1/2	2	W166	U29CRT
677085E	300	1/2	2	–	U30CRT
677087E	350	1/2	2	W-0	U31CRT
677091E	500	1/2	2	–	U34CRT
677291E	500‡	1/2	2	–	U34CRT
677096	600	1/2	2	–	U36CRT
677100	750	1/2	2	–	P39CRT¥
677110	1000	1/2	2	–	P44CRT¥

‡ stacking lug ¥ use Y46 tool

CONNECTORS, COPPER, BOLTED

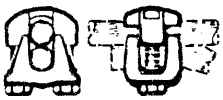
SPLIT BOLT TAP, Parallel Type



SCL Matl. Std.: 6688.7
Stock Unit: EA

Stock No.	Max. Conductor Size, AWG Solid	Stranded
668860E	#10	#12
668861E	#8	#8
668862E	#6	#7
668864E	#4	#5
668867E	#1	#2

TWO BOLT TAP, Parallel Type



SCL Matl. Std.: 6693.7
Stock Unit: EA

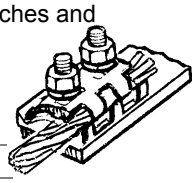
Stock No.	Conductor Range, AWG or kcmil Run Min.	Run Max.	Tap Min.	Tap Max.
669379E	#2 str	#2/0 str	#10 str	#2/0 str
669380E	#1/0 str	#4/0 str	#10 str	#4/0 str
669381E	250	350	#10 str	350
669382	400	500	#10 str	500
669383	400	800	#3/0 str	800
669384	500	1000	#3/0 str	1000

GROUNDING CONNECTOR, Stud To Cable

Application: Female bug stud for use on metal oxide arresters Stock No. 680115 and 680117.
SCL Matl. Std.: none
Stock Unit: EA

Stock No.	Connector Range, AWG	Approved Manufacturer Penn-Union
668872	#2 to #6	STS-4

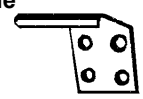
PADMOUNT CONNECTOR, Primary Termination



Application: For use in pad mount switches and apparatus.
SCL Matl. Std.: none
Stock Unit: EA

Stock No.	Approved Manufacturer S&C Electric
661255	4745

TRANSFORMER CONNECTOR, Multiple Tie

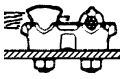
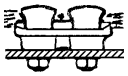


Description: 3/4″ shaft, 4-hole NEMA pad.
SCL Matl. Std.: none
Stock Unit: EA

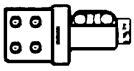
Stock No.	Approved Manufacturers Dossert	Homac	Penn-Union
676150	MTR2C-75	CEA 4-75	FT4-075

BOLTED TERMINAL, Cable to Flat, Tap Plug

SCL Matl. Std.: 6761.1
Stock Unit: EA

Stock No.	Cable Range, AWG or kcmil Minimum	Maximum	Figure
676102	#8 Solid	#2/0 str	
676104	#6 Solid	250	
676115	#8 Solid	#2/0 str	
676117	#6 Solid	250	
676120	#1/0 Solid	500	
676123	#2/0 Solid	1000	

TERMINAL, Stud to Flat



Description: Threaded stud (12 TPI) to 4" wide 4 hole NEMA pad.
SCL Matl. Std.: none
Stock Unit: EA

Stock No.	Stud Size, in.	Type	Approved Manufacturers Anderson	Homac	Travis
671372	1-1/2	std	HDSF-14-1-D-1/2-12	KSLC-13A-4NN	14-348
671375	1-1/2	90°	HDSF-14-1-D-1/2-90-12	–	–
671415	3	std	HDSF-30-1-D-3/4-12	KSLC-15-4NN	14-380
011363	3	90°	HDSF-30-1-D-3/4-90-12	–	–

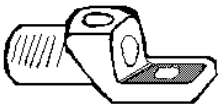
VISE JAW CONNECTOR, Bronze

SCL Matl. Std.: 6693.80
Stock Unit: EA

Stock No.	Conductor Size, AWG or kcmil
012173E	#4
012171E	#2 stranded
012169E	#2/0 stranded
012170E	#4/0
012172	500

CONNECTORS – COPPER SETSCREW & WING TYPE

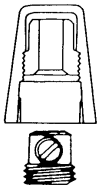
TERMINAL, LUG
Standard one hole type
For underground vault service
Per C. L. Spec. 6688.3
Stock Unit: EA



Stock No.	Cable Range	
	Min.	Max.
668810	2/0	4/0
668811	4/0	300
668812	300	500
668813	500	750

SET SCREW TYPE
Stock Unit: EA

Stock No.	Wire Size	Ideal Cat. No.
677194	#10 to #14	30-222
677195	#12 to #14	30-211



TAP, SETSCREW, PARALLEL TYPE
Per C. L. Spec. 6691.5
Stock Unit: EA

Stock No.	Max. Cable Size AWG
669138E	#10 Str.
669140E	#4 Str.
669141E	#2 Str.

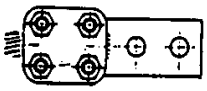
COPPER SHUNT, BRAIDED
Total Length 16”, Current rating 400 amperes, Indoors
Shop Made
Stock Unit: EA
Stock No
670610

TWIST LOCK, Wing Type
Stock Unit: EA

Stock No.	Wire Combination Range	Approved Manufacturers	
		Ideal Wing-Nut	3M Scotchlok 2
677180	2 #18 to 3 #12	451 (Yellow)	——
677181	2 #14 to 5 #12	452 (Red)	R/Y (Red/Yellow)
677182	3 #12 to 2 #8	454 (Blue)	B/G (Blue/Gray)

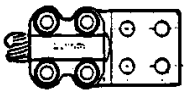
CONNECTORS, COPPER SUBSTATION – BOLTED

TERMINAL, CABLE or IPS to FLAT
Per City Light Matl. Std. 6677.1
Stock Unit: EA



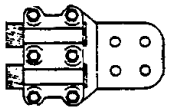
Stock No.	Conductor Size	
	Cable	IPS
667786	#2 solid to 800	1/4" to3/4"

TERMINAL, Tubing to FLAT, IPS Type
Per City Light Matl. Std. 6677.1
Stock Unit: EA



Stock No.	IPS	No. of Pad Holes
661241	1-1/4"	4
661244	1-1/2"	4

TERMINAL, FLAT to 2 CABLES
Transmission line connector
Stock Unit: EA



Stock No.	Cable Size	No. of Pad Holes	Homac Cat. No.
661252	#4 to 600	4	7MM1-60-4N

TERMINAL, "T"–TAP
Cable to cable & IPS to Cable.
Stock Unit: EA

Stock No.	Conductor Size		Burndy Cat. No.	Anderson Cat. No.
	Main	Tap		
670232	2/0	2/0	NSNT2929	TCC4-022022
670243	4/0	4/0	NSNT2929	TCC4-025025
670283	500	4/0	NSNT3429	TCC4-050025
670288	500	500	NSNT3434	TCC8-050050-3

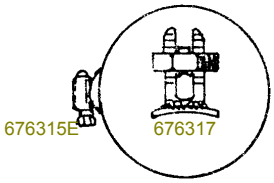
THE NEXT PAGE (65-22) RESERVED FOR FUTURE USE.

CONNECTORS – GROUNDING

All Stock Units: EA

CABLE TO CONDUIT

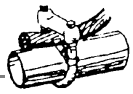
Application: The split-bolt clamp and the hose clamp are used together to ground conduit risers. Stainless steel hose clamp is also used to secure PVC split conduit.
SCL Matl. Std.: 6763.1



Stock No.	Conduit Size, in.	Wire Size Range, AWG	Description
676315E	1-1/2 to 5	–	steel hose clamp, stainless
676317	use with above	#4 solid to #2 stranded	split-bolt wire to hose clamp

CABLE TO IPS OR ROD

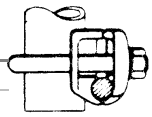
Description: One or more conductors, bolted type.
SCL Matl. Std.: 6762.7



Stock No.	IPS, in.	Cable Size Range, AWG/kcmil
676389	2	2/0 sol. to 250
676392	2-1/2	#4 sol. to 2/0 str.
676393	2-1/2	2/0 sol. to 250
676398	3	2/0 sol. to 250
676410	4	2/0 sol. to 250

CABLE TO PIPE OR ROD

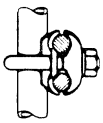
Description: Parallel or 90 degrees, bolted type.
SCL Matl. Std.: 6762.7



Stock No.	Rod or Pipe, in.	Cable Size Range, AWG/kcmil
676254	5/8 to 3/4 rod	#4 sol. to 2/0 str.
676255	5/8 to 3/4 rod	2/0 sol. to 250
676271	1-1/4 IPS	#4 sol. to 2/0 str.
676277	1-1/2 IPS	#4 sol. to 2/0 str.
676283	2 IPS	#4 sol. to 2/0 str.
676285	3 IPS	#4 sol. to 2/0 str.
676286	4 IPS	#4 sol. to 2/0 str.
676287	5 IPS	#4 sol. to 2/0 str.

TWO CABLES TO PIPE OR ROD

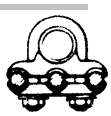
Description: Parallel or 90 degrees, bolted type.
SCL Matl. Std.: 6762.7



Stock No.	Rod or Pipe, in.	Cable Size Range, AWG
676551	5/8 to 3/4 rod	#4 sol. to 2/0 str.

THREE CABLES TO PIPE OR ROD

Application: For grounding 3 equal cables to driven rod or pipe.
SCL Matl. Std.: 6762.7



Stock No.	Rod or Pipe, in.	Cable Size Range, kcmil
676427	5/8 to 3/4 rod, 3/8 IPS	300 to 500

CROSSED CABLES

Application: For crossing grounding conductors.
SCL Matl. Std.: none

	Cable Size, AWG/kcmil		Approved Manufacturers	
Stock No.	Run A	Run B	Burndy	Anderson
676644	#4 sol. to 2/0	#4 sol. to 2/0	GX2626	GC-113-AA
676647	2/0 to 250	2/0 to 250	GX2929	GC-113-BB

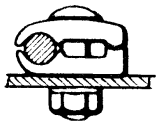
GROUND TO GRID

Description: Wedge pressure type, wrench driven.
Application: Used in substations.
SCL Matl. Std.: none

	Cable Size, AWG/kcmil		
Stock No.	Run A	Run B	AMP, "Wrench-Lok"
677510	4/0 to 350	1/0 to 4/0	83748-1
677512	500	500	83750-6
677514	350 to 500	4/0 to 350	83751-3

CABLE TO FLAT BAR

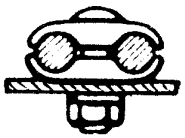
SCL Matl. Std.: 6766.1



Stock No.	Cable Size, AWG/kcmil
676674	#4 sol. to 2/0 str.
676675	2/0 sol. to 250
676676	300 to 500

CABLES TO FLAT BAR

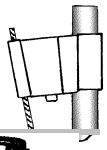
SCL Matl. Std.: 6766.1



Stock No.	Cable Size, AWG/kcmil
676694	#4 sol. to 2/0 str.
676695	2/0 sol. to 250

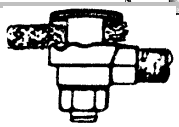
GROUND ROD CONNECTOR, COMPRESSION

Description: 5/8" copperclad rod to #4 Cu.
Per AMP Cat. No.: 83017-2
Stock Number: 564022



TRANSFORMER GROUNDING

SCL Matl. Std.: 6762.1



Stock No.	Stud Size, in.	Wire Size, AWG
676200	1/2 x 13	#8 sol. to 2/0 str.

SETSCREW LUG

Application: For grounding streetlight mast arms.
SCL Matl. Std.: None

Stock No.	Hole Size, in.	Wire Size, AWG	Approved Mfr.
012564E	1/4	#14 str. to #6 str.	Burndy KA6U

CONNECTORS – GROUNDING

5/8-INCH GROUND ROD CLAMP

Description: All-stainless steel clamp for 5/8-inch ground rods

Application: Used to connect a ground lead conductor to a 1/2-inch to 5/8-inch diameter ground rod or #4 rebar.

SCL Matl. Std.: 5640.30

Stock Unit: EA

Stock Number: 564012

3/4-INCH GROUND ROD CLAMP

Description: Bronze alloy clamp for 3/4-inch ground rods

Application: Used to connect a ground lead conductor to a 3/4-inch diameter ground rod or #4 rebar.

SCL Matl. Std.: 5640.32

Stock Unit: EA

Stock Number: 013283

CONNECTORS: COPPER - COMPRESSION AND WEDGE "C", BARRIER, GROUNDING WEDGE AND "T"

TAP, COMPRESSION, PARALLEL TYPE

Per SCL Matl. Std.: 6773.5
Stock Unit: EA

figure 1

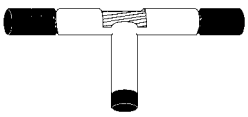
figure 2

figure 3

Stock No.	Fig.	Run Size	Tap Size	Tool and Die MD-6	Y35/39	T&B
677323E	1	#4	#4	W-BG (2)	U-BG (1)	T&B dies fit
677325E	2	#2	#4	W-C (2)	U-C (1)	Y-39
677326E	1	#2	#2	W-C (2)	U-C (1)	–
677329E	1	1/0-2/0	1/0-2/0	–	U-O (1)	–
677330E	3	2/0-4/0	#4	–	U-D3 (1)	–
677331E	3	2/0-4/0	2/0-1/0	–	U-D3 (1)	–
677332E	3	2/0-4/0	2/0-4/0	–	U-D3 (1)	–
677333	1	250-350	#1-3/0	–	–	Black 106H (2)
677336	1	250-300	#6-2/0	–	–	Pink 99H (2)

TAP COMPRESSION, "T" TYPE

Per SCL Matl. Std.: None
Stock Unit: EA



Stock No.	Cable Size – AWG or kcmil Run	Tap	Y35/39 Die	Manufacturer and Catalog No.
679648	500	4/0 Stranded	U34CRT or U28CRT	Dossert CST 50-21 Frankel TES-50-4/0R

GROUNDING CONNECTORS – CLAMPS AND BALL GROUNDS

BALL AND SOCKET GROUNDING SYSTEM

These items are rated and BPA tested at 30 kA for 30 cycles. At locations where the fault duty exceeds this value, the devices must be used in parallel if they are to be used at all. Use only copper ferrules with copper or bronze clamps.

BPA TESTED DEVICES. **NO SUBSTITUTIONS**. SALISBURY ONLY.

Stock No.	Description	Salisbury Cat. No.
650210	BALL SOCKET CLAMP, bronze alloy, with strain relief, for 5/8-11 threaded ferrule. Stock Unit: EA	21190
650215	BALL STUD, SHORT, Copper Alloy Stock Unit: EA	21191
650220	BALL STUD, LONG, copper alloy, for use with ball socket clamp of 2-3/4" or less wide copper duckbill clamp. Stock Unit: EA	21192
650205	CLAMP, GROUNDING, aluminum, "Duck Bill", spring loaded, use with 650245 and 615500. Stock Unit: EA	1853
650212	CLAMP, GROUNDING, aluminum, "C" type, Al. body, with strain relief sleeve. Stock Unit: EA **Salisbury Catalog No. 1895 is an acceptable substitute if No. 1893 is not available.**	1893

Stock No.	Description	Salisbury Cat. No
650225	BALL STUD, copper alloy, offset, NEMA pad. Stock Unit: EA	21228
650230	COVER, copper alloy, for ball stud. Stock Unit: EA	21236
650235	FERRULE, copper, for 2/0 grounding cable, 5/8-11 threaded stud Stock Unit: PR	2024
650240	FERRULE, copper, for 4/0 grounding cable, 5/8-11 threaded stud. Stock Unit: PR	2025
650245	FERRULE, Aluminum, for 4/0 grounding cable 5/8-11 threaded stud. Stock Unit: PR	2640
615500	CABLE, GROUNDING, #4/0 Cu., SD, 2000 or more strands, yellow thermoplastic elastomer jacketed. Stock Unit: FT	2139
615505	CABLE, GROUNDING, #4/0 Cu. SD, 2000 or more strands, clear flexible thermoplastic (PVC) jacketed. Stock Unit: FT	2288

THE NEXT PAGE (65-27) RESERVED FOR FUTURE USE.

TERMINALS, SPADE, INSULATED SOLDERLESS TYPE

Description: Insulated compression terminals with color-coded insulation support.

Application: Terminals are installed on the ends of low voltage conductors and secured with a hand-operated crimping tool. Design provides a reliable electrical connection and wire strain relief. Terminals are intended for use with a wide range of insulated control cable, metering, switchboard, streetlight, automotive, and appliance wire. Terminals are not appropriate for direct burial. Industry standard color-coding indicates intended wire range.

SCL Matl. Std.: 6771.30

Stock Unit: EA

FORK TERMINALS

Stock Number	Wire Size Range, AWG	Stud Size, Stud #	Insulation Color
677184	#22 - #18	#6	red
677190	#16 - #14	#6	blue
677191	#16 - #14	#10	blue
677196	#12 - #10	#6	yellow
677197	#12 - #10	#10	yellow

FLANGED FORK TERMINALS

Stock Number	Wire Size Range, AWG	Stud Size, Stud #	Insulation Color
677185	#22 - #18	#6	red
677186	#22 - #18	#8	red
677192	#16 - #14	#6	blue

SHORT SPADE TONGUE

Stock Number	Wire Size Range, AWG	Stud Size, Stud #	Insulation Color
677200	#22 - #18	#6	red
677201	#22 - #18	#8	red
677206	#16 - #14	#6	blue
677210	#12 - #10	#6	yellow
677211	#12 - #10	#8	yellow

LONG SPADE TONGUE

Stock Number	Wire Size Range, AWG	Stud Size, Stud # / in	Insulation Color
677207	#16 - #14	#8	blue
677212	#12 - #10	#10	yellow
677213	#12 - #10	1/4	yellow

TERMINALS AND SPLICES, INSULATED SOLDERLESS TYPE

Description: Insulated compression terminals and splices with color-coded insulation support.

Application: Terminals and splices are installed on the ends of low voltage conductors and secured with a hand-operated crimping tool. Design provides a reliable electrical connection and wire strain relief. Terminals are intended for use with a wide range of insulated control cable, metering, switchboard, streetlight, automotive, and appliance wire. Terminals and splices are not appropriate for direct burial. Industry standard color-coding indicates intended wire range.

SCL Matl. Std.: 6771.30

Stock Unit: EA

RING TERMINALS

Stock Number	Wire Size Range, AWG	Stud Size, Stud # / in	Insulation Color
677172	#22 - #18	#4	red
677174	#22 - #18	#6	red
677173	#22 - #18	#8	red
677175	#22 - #18	#10	red
677177	#22 - #18	1/4	red
677178	#22 - #18	5/16	red
677179	#22 - #18	3/8	red
677154	#16 - #14	#4	blue
677155	#16 - #14	#6	blue
677156	#16 - #14	#8	blue
677157	#16 - #14	#10	blue
677151	#16 - #14	1/4	blue
677153	#16 - #14	3/8	blue
677176	#12 - #10	#6	yellow
677164	#12 - #10	#8	yellow
677160	#12 - #10	#10	yellow
677165	#12 - #10	1/4	yellow
677166	#12 - #10	5/16	yellow
677167	#12 - #10	3/8	yellow
677168	#12 - #10	1/2	yellow

FEMALE DISCONNECT TERMINAL

Stock Number	Wire Size Range, AWG	Insulation Color
677170	#16 - #14	blue

BUTT SPLICES

Description:

Stock Number	Wire Size Range, AWG	Insulation Color
677384	#22 - #18	red
677386	#16 - #14	blue
677392	#12 - #10	yellow

TERMINALS AND SPLICES, INSULATED NON-SOLDERLESS TYPE

Description: Non-insulated compression ring terminals and splices.

Application: Ring terminals are installed on the ends of low voltage conductors and secured with a hand-operated crimping tool. Design provides a low cost, reliable electrical connection.

Non-insulated terminals and splices do not have a voltage or temperature rating.

Non-insulated terminals and splices are not appropriate for direct burial, where strain relief is required, or where long-term vibration may occur. If wire strain relief or vibration resistance is required, use insulated terminals, Material Standard 6771.30. If a greater selection is desired, insulated terminals may be substituted for non-insulated ones.

SCL Matl. Std.: 6771.20

Stock Unit: EA

RING TERMINALS, Standard Duty

Stock No	Wire Size Range, AWG	Stud Size, Stud #/in
677141	#22-#18	#10
677144	#16-#14	#10
667145	#16-#14	1/4
677159	#12-#10	#10
677161	#12-#10	1/4

RING TERMINALS, Heavy Duty

Stock No	Wire Size Range, AWG	Stud Size, Stud #/in
677169	#12-#9	#10
677189	#12-#10	1/2
677187	#6	1/2
677193	#4	5/8
677188	#2	5/8

BUTT SPLICES, Standard Duty

Stock Number	Wire Size Range, AWG
677390	#22 - #18
677391	#16 - #14
677425	#12 - #10

Arresters	***1***
Arresters	***2***
Cutouts, Fuseholders and Cutout Doors	***3***
Fuses, High Voltage (Primary)	***7***
Current Limiting Fuses, High Voltage Primary Overhead	***9***
Current Limiting Fuses, High Voltage Primary Underground	***10***
Current Limiting Fuses, High Voltage Primary Underground	***11***
Fuses, Secondary, 600 Volt and Below	***12***
Cable Limiters, 600 Volt and Below	***14***
PMH-5 Padmount Switch Accessories	***16***
Fuses, 600 Volt and Below	***50***
Fuses, 600 Volt and Below	***52***
Fuses, 600 Volt and Below	***54***
Fuses, 600 Volt and Below	***56***
Fuse Holders, 600 Volt and Below	***58***
Neutral Dummy	***60***

ARRESTERS

ARRESTERS, Surge, Metal-Oxide

Description: Metal-oxide, surge arresters.

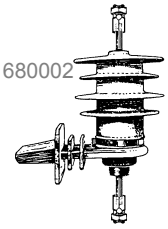
Application: For use on the distribution system at termination points to protect primary cable from voltage surges.

Heavy duty distribution class arresters are for installation in areas where the fault duty is less than 20 kA rms symmetrical. Intermediate class arresters are for installation in areas where the fault duty is between 20 kA and 40 kA rms symmetrical.

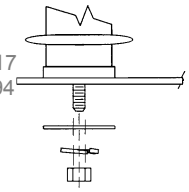
MCOV stands for maximum continuous operating voltage. An arrester with a series gap can withstand a temporary (3 second) over-voltage of 2.0 per unit of MCOV rating. Arresters without a series gap have a temporary (3 second) over-voltage rating of 1.4 per unit. Surge arresters designed with gaps offer slightly better electrical performance than surge arresters designed without gaps. Intermediate class arresters are not available with gaps.

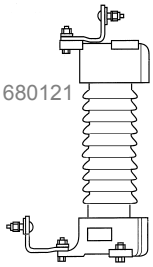
The use of porcelain surge arresters is being phased out as Construction Standard are revised.

Stock Unit: EA

680002


680115

680117 & 012594


680121


012593

Stock No.	Duty-Cycle Voltage Rating	MCOV, kV rms	Gapped Design	System Application Voltage, Volts rms	IEEE Class	Housing Material	Installation	SCL Material Standard
680002	3	2.55	no	4160GrdY/2400	heavy duty distribution	polymer	terminal poles	6800.1
680115	21	17.0	yes	26400GrdY/15240	heavy duty distribution	polymer	terminal poles	6801.40
680117	21	17.0	yes	26400GrdY/15240	heavy duty distribution	polymer	pad mount switches	6801.40
680121	21	17.0	no	26400GrdY/15240	intermediate	porcelain	terminal poles	6801.3
012593	21	17.0	no	26400GrdY/15240	intermediate	polymer	terminal poles	6801.60
012594	21	17.0	no	26400GrdY/15240	intermediate	polymer	pad mount switches	6801.60

MOUNTING KIT, Surge Arrester

SCL Matl. Std.: none

Application: For mounting arresters in installed pad mount switchgear.

Stock Unit: EA

Stock No.	PM Switch Type	S&C Cat. No.
680050	PMH-5	CVU-2648-5
680055	PMH-9 & 12	CVU-2648-T

ARRESTERS

LOW VOLTAGE ARRESTER

Description: Low voltage, metal-oxide arrester, 240/120 volts RMS, 400 volts maximum continuous operating voltage (MCOV). Product is detailed in Cooper Power Systems technical bulletin 235-16.
Application: For 240/120 volt, single-phase, three-wire systems. In conjunction with primary arresters, low voltage arresters are installed on overhead distribution transformers or on poles located in back lot areas where heavy lifting equipment has restricted access. The basis behind this application is to reduce the failure rate of overhead transformers that are in particularly difficult locations and consequently expensive to replace. Low voltage arresters are not intended for general use.
SCL Matl. Std.: none
SCL History Folder: 6800.05
Stock Unit: EA

Stock No.	Manufacturer	Catalog No.
012774	Cooper Power Systems	ASZH480C200

Seattle City Light

STOCK CATALOG

CUTOUTS, FUSEHOLDERS AND CUTOUT DOORS

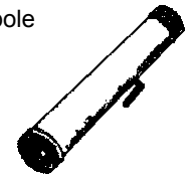
CUTOUT, Ultra Heavy Duty, 27 kV
Description: Open type.
SCL Matl. Std.: 6820.90
Stock Unit: EA

Stock No.	Amperes	Max. Design
682099	100	27 kV

FUSE TUBE, Ultra Heavy Duty
Description: With cap and arc shortening rod.
Application: For use with cutout Stock No. 682099.
SCL Matl. Std.: 6820.90
Stock Unit: EA

Stock No.	Continuous Amperes
682297	100

BOX, Fuse Storage, PVC
Application: For storing SMD-20 fuses on pole
Shop Made per SCL Drawing: A3900
Stock Unit: EA



Stock No.	Diameter, in	Length, in
580415	4	24

FUSE CUTOUT, Enclosed, 2.6 kV
Description and ratings:

Normal duty. Gray porcelain enclosure

Minimum continuous current rating, RMS amperes: 100

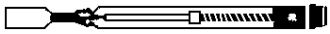
Minimum interrupting rating 2.6 kV, five shot, RMS asymmetrical amperes: 8,000

Minimum interrupting rating 2.6 kV, one shot, RMS asymmetrical amperes: 14,000

NEMA "A" crossarm mounting bracket: not provided

SCL Matl. Std.: 6820.10
Stock Unit: EA
Stock No. 682047

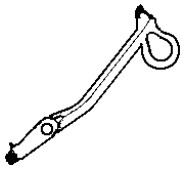
TUBE, FUSE, Positect
Application: For "Positect" cutouts. Used in Laurelhurst and Skagit.
SCL Matl. Std.: none



Stock Unit: EA

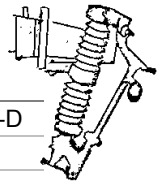
Stock No.	Amperes Rating	S&C Cat. No.
682295	50	52100R8

BLADE, DISCONNECT
Application: For converting cutout Stock No.682099 to 300 ampere disconnect.
SCL Matl. Std.: none
Stock Unit: EA



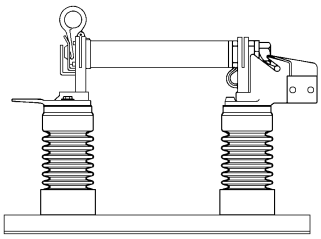
Stock No.	Manufacturer Catalog Numbers			
	ABB	Chance	Cooper	S & C
682278	#7194C60G08	T710313T	LDC300A	89622R10

MOUNTING ASSEMBLY AND END FITTINGS, SMD-20, 27 KV
SCL Matl. Std.: none



Stock No.	Stock Unit	Item	Max. Amperes	For Use With	S&C Cat. No.
682580	EA	mounting and end fittings	200E	SMU-20 E & K fuses and X limiters	92123R3-D
682587	ST	replacement end fittings - overhead	–	682580 cutout	3095
682585	EA	replacement end fittings and silencer - padmount	200E	SMU-20 E & K fuses and X limiters in padmount switches	3097

MOUNTING ASSEMBLY AND HOLDER, SM-5
Description: Disconnect style for 250E and 300 E fuses.
Application: For 26 kV and heavy industrial subs.
SCL Matl. Std.: 6828.1
Stock Unit: EA

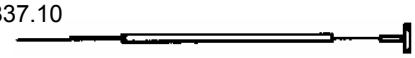


Stock No.	Item	Max. Amperes	Style	For Use With
682847	mounting	300	inverted	682415
682415	holder	300	inverted	682847
682871	mounting	300	vertical	682403
682403	holder	300	vertical	682871

FUSES, HIGH VOLTAGE, (PRIMARY)

FUSE LINKS, K Rating, for Overhead, 4, 13 & 26 kV

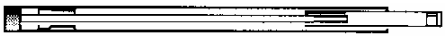
SCL Matl. Std.: 6837.10
Stock Unit: EA



Stock No.	Amperes	Element
683706E	3K	tin
683708E	6K	silver
683710E	10K	silver
683711E	15K	silver
683713E	25K	silver
683715E	40K	silver
683717E	50K	silver
683718E	65K	silver
683724E	100K	silver
683728E	200K	–

FUSE, K Rating, SMU-20, 27 kV

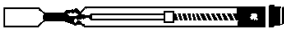
Application: For OH cutouts and padmount switchgear. Fits SMD-20 cutout, Stock No. 682580 with end fittings 682587 shown on page 68-3. Fits padmount switch, when used with end fittings 682585 shown on page 68-3. S&C time-current curves TCC 165-2 and 165-2-4. Cooper time-current curves R240-91-153 and -159.
Per SCL Matl. Std.: none
Stock Unit: EA



Stock No.	Amperes	Type	Approved Manufacturers Cooper	S&C
684751	25K	SMU-20	CMU703025	703025
684756	50K	SMU-20	CMU703050	703050
684757	65K	SMU-20	CMU703065	703065
684758	100K	SMU-20	CMU7030100	703100

FUSE, INDICATING, Positect

Description: For S & C Positect, formerly cutout Stock No. 682160.
Per SCL Matl. Std.: none
Stock Unit: EA



Stock No.	Amperes	S&C Cat. No.
683739	50U	650050

POWER FUSES, E Rating, SMU-20, 27 kV

Application: Used on industrial and unit subs. Fits SMD-20 cutout, Stock No. 682580 with end fittings 682587 shown on page 68-3. S&C time-current curves TCC 119-2 and 119-2-4 except ◆ TCC 115-2 and 115-2-4. Cooper time-current curves R240-91-151 and -157.
Per SCL Matl. Std.: none
Stock Unit: EA

Stock No.	Amperes	Type	Approved Manufacturers Cooper	S&C
684721◆	1E	SMU-20	–	703001
684727	15E	SMU-20	CMU713015	713015
684729	30E	SMU-20	CMU713030	713030
684731	50E	SMU-20	CMU713050	713050
684735	125E	SMU-20	CMU713125	713125
684736	150E	SMU-20	CMU713150	713150
684737	200E	SMU-20	CMU713200	713200

◆ PT fuse for pole mount primary metering.

POWER FUSES, E Rating, SM-5, 34.5 kV

Description: Fits SM-5 fuseholder, Stock Nos. 682847 and 682871 shown on page 68-3.
Per SCL Matl. Std.: 6828.1
Stock Unit: EA

Stock No.	Amperes	Type	Time Current Curve
684711	250E	SM-5	TCC 153-4
684714	300E	SM-5	TCC 119-4

FUSES, FOR BAYONET FUSE HOLDERS

Per SCL Matl. Std.: none
Stock Unit: EA

Stock No.	Amperes	Transformer kVA	Cooper Cat. No.
2,400 Volts			
685105	50	25	4000358C12B
685106	65	50	4000358C14B
14,750 Volts			
685101	8	25	4000358C05B
685102	15	50, 75 & 100	4000358C08B
685103	25	167	4000358C10B

CURRENT LIMITING FUSES, HIGH VOLTAGE PRIMARY OVERHEAD

BACKUP, Partial Range

Application: For use with O.H. expulsion fuses.
SCL Matl. Std.: 6840.2 (none for 684920)
Stock Unit: EA

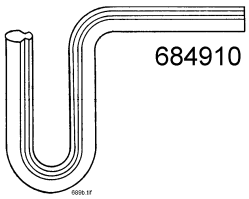
Stock No.	Size	Application	Approved Manufacturers
684900	A	1Ø-3Ø, 26kV	per SCL Matl. Std. 6840.2
684902	B	1Ø-3Ø-UG▲, 26kV	per SCL Matl. Std. 6840.2
684905	C	1Ø-3Ø-UG▲, 26kV	per SCL Matl. Std. 6840.2
684907	D	1Ø-3Ø-UG▲, 26kV	per SCL Matl. Std. 6840.2
684920	12K	**1Ø-only**, 15kV L-G	Cooper # FAH17KV12KBGR1 GE # 9F59UBD131 Hi-Tech # HTDE245012

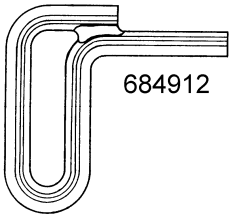
▲ Underground means on a terminal pole, not submersible.

CONNECTOR BAR, #2/0 Copper

Application: For backup fault limiter fuse installation.
SCL Matl. Std.: 6849.1
Stock Unit: EA

Stock No.	Type
684910E	Standard for “A,” “B” and 12k Limiters
684912E	Reinforced - Use with “C” and “D” Limiters





CONNECTORS

SCL Matl. Std.: None
Stock Unit: EA

Stock No.	Type
684925	Use with A, B, and C Limiters, S&C # 5392

CURRENT LIMITER, “Q” 27 kV, General Purpose (Full Range)

SCL Matl. Std.: None
Stock Unit: EA

Stock No.	kV	amps	Type	Manufacturer
684913	27	65	Q	Kearney 153027-065

Use the following with the "Q" Limiter:
684358 34.5 Pole top C/O, S&C # 92544
684359 34.5 End Fitting, Kearney # 328130

CURRENT LIMITER, “x” 27 kV, General Purpose (Full Range)

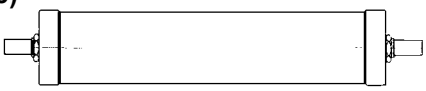
For padmount switchgear applications and SMD-20 overhead cutouts: See page 68-10.

CURRENT LIMITING FUSES, HIGH VOLTAGE PRIMARY UNDERGROUND

CURRENT LIMITER, X Rating, 27 kV, General Purpose (Full Range)
For padmount switchgear and SMD-20 overhead cutouts. Fits SMD-20 cutout, Stock No. 682580 with end fittings 682587 shown on page 68-3.
Fits Padmount switch, when used with end fittings 682585 shown on page 68-3.
Per CL Matl. Std. 6840.1
Stock Unit: EA

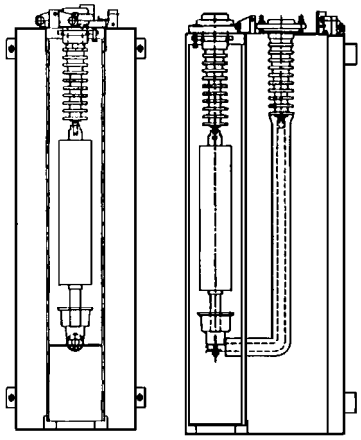
Stk. No.	Size	Item
685006	25X	Fuse
685008	40X	Fuse
685010	65X	Fuse
685011	–	Replacement end nut for use with 682585 end fittings in padmount switch.

CURRENT LIMITER, ET Rating 15.5 kV, General Purpose (Full Range)
Per CL Matl. Std. 6840.1.1
For use in Stock No. 684930 Trayer fuse holder.
For single or three phase application on 26.4grdY/15.24 kV system.
Stock Unit: EA



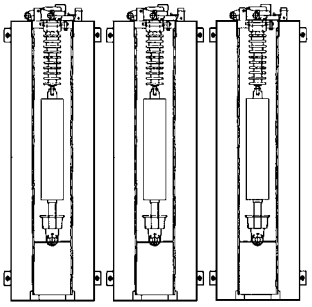
Stock No.	Ampere Rating	Max. Interrupting Capability – I^2T
684935	40 ET	20 kA
684937	65 ET	75 kA

FUSE HOLDER, 1ø, 27 kV, Submersible
Air Insulated, field re-fusible. Mount on rack shown below for use in 3∅ sets. Order 2 each load break bushing inserts, Stock No. 686449, for each fuse holder. See above for fuses.
City Light Matl. Std. 6849.5
Stock Unit: EA
Stock. No
684930

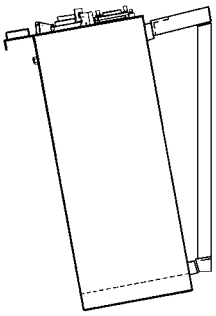


FRONT VIEW SIDE VIEW

RACK, MOUNTING, FOR FUSE HOLDER
For mounting three Stock No. 684930 fuse holders.
Trayer Eng. Cat. No. HDGR3-10, Drawing 961021, Rev. B.
Stock Unit: EA
Stock. No. 684933



FRONT VIEW



SIDE VIEW

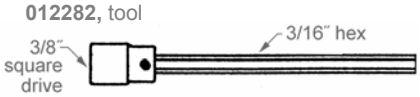
FUSE HOLDER WITH FUSE, 27 kV, Submersible
Fuse size is 50K (C limiter), Gas Insulated
Per CL Matl. Std. 6840.4
Trayer is field re-fusable.
Kearney must be sent to factory to re-fuse
Stock Unit: EA
Stock. No
684908

CURRENT LIMITING FUSES, HIGH VOLTAGE PRIMARY UNDERGROUND

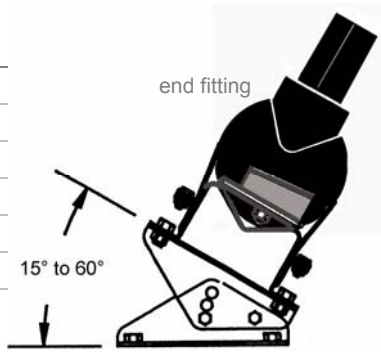
CURRENT LIMITER, NXC 15.5 kV, General Purpose (Full Range) Capacitor Fuse
Application: For West Point capacitor banks.
SCL Matl. Std.: none
Stock Unit: EA

Stock Number	Size, amps	Cooper Catalog Number
010316	30	FA6J30 no substitutions

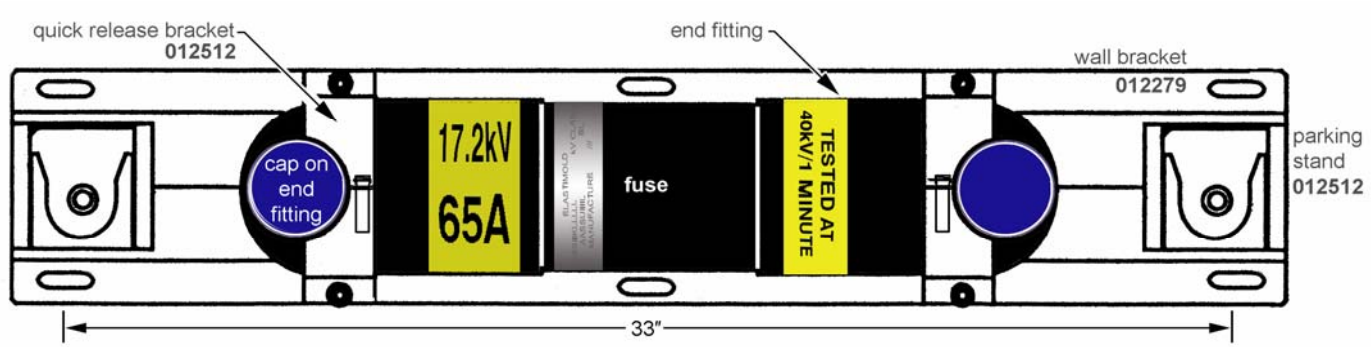
MOLDED CURRENT LIMITING FUSE, (MCLF), Full Range
Description: 200 amp, 27 kV, submersible, with bushing wells.
Application: Use loadbreak bushing inserts (Stock No. 686449). Entire unit to be discarded after fuse blows. To be fit for use, fuse body must be marked with yellow label, "TESTED AT 40 kV / 1 MINUTE."
SCL Matl. Std.: none
Stock Unit: EA



Stock Number	Description	Thomas & Betts (Elastimold) Catalog Number
012276	FUSE, 25 MCL	M27CLF025-22
012277	FUSE, 40 MCL	M27CLF040-22
012278	FUSE, 65 MCL	M27CLF065-22
012279	WALL MOUNTING BRACKET ASSEMBLY	WMBQ-1
012512	QUICK RELEASE BRACKET KIT (spare)	2000-42BG
012280	TILT MOUNTING ADAPTER (optional)	TMA-EM
012282	ASSEMBLY / DISASSEMBLY TOOL	MCLF-ADT



012280
tilt mounting adapter option with fuse in place



FUSES, SECONDARY, 600 VOLT AND BELOW

FUSE, NETWORK PROTECTOR

SCL Matl. Std.: none
Stock Unit: EA

For 216Y/125 Volt

		Manufacturers' Catalog No.	
Stock No.	Amperes	Burndy	Richards
683471	1875	Y-25	Y-25
683472	2500/2825	Z-37.5	Z-37.5

For 480Y/277 Volt

		Manufacturers' Catalog No.	
Stock No.	Amperes	Cutler-Hammer	Richards
683480	800	1254872	312-3251-00
683481	1200	1300550	312-3252-00
683482	1875	14A5795G06	312-3255-00
683483	2825	1615572	312-3261-00
683484	3500	15A4106G04	312-3263-00

CABLE LIMITERS, 600 VOLT AND BELOW

LIMITER, Al Cable to Al Cable, 600 V

SCL Matl. Std.: 6836.6
Stock Unit: EA

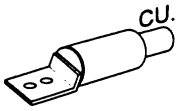
typical

Stock No.	Cable Size AWG or kcmil	Tool Y35/39	Tool Y46
683615	4/0	U28ART	–
683616	350	U28ART	–
683617	500	U28ART	–
683618	750	–	P39ART

LIMITER, Cu Cable to Bus Bar, 600 V

SCL Matl. Std.: 6836.2
Stock Unit: EA

typical



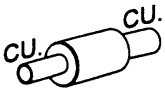
Stock No.	AWG or kcmil	Tool Y35/39	Tool Y46
683621	4	U4CRT	–
683622	2	U2CRT	–
683623	2/0	U26RT	–
683624	3/0	U27RT	–
683625	4/0	U28RT	–
683626	250	U29RT	–
683627	350	U31RT	–
683629	500	U34RT	–
011158 *	600	U36RT	P36RT
683630	750	–	P39RT

* This limiter is for a size of cable not used by Seattle City Light. A small inventory of 600 kcmil copper-to-bus limiters is maintained in Stores for emergency use when a new customer pulls 600 kcmil cable without our approval.

LIMITER, Cu Cable to Cu Cable, 600 V

SCL Matl. Std.: 6836.3
Stock Unit: EA

typical

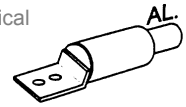


Stock No.	Cable Size AWG or kcmil	Tool Y35/39	Tool Y46
683641	4	U4CRT	–
683643	2	U2CRT	–
683646	2/0	U26RT	–
683647	3/0	U27RT	–
683648	4/0	U28RT	–
683649	250	U29RT	–
683650	350	U31RT	–
683651	500	U34RT	–
683652	750	–	P39RT

LIMITER, Al Cable to Cu Bus Bar, 600 V

SCL Matl. Std.: 6836.50
Stock Unit: EA

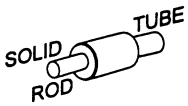
typical



Stock No.	AWG or kcmil	Tool Y35/39	Tool Y46
683637	4/0	U28ART	–
683638	350	U31ART	–
683639	500	U34ART	–
683659	750	–	P39ART

LIMITER, Cable to Mole

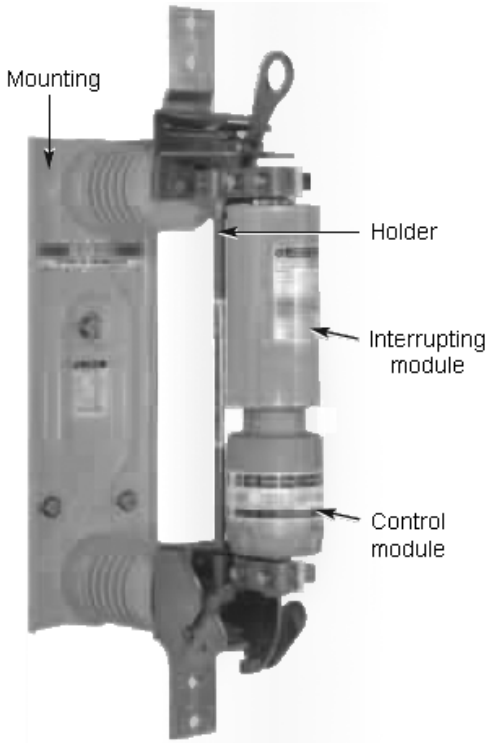
SCL Matl. Std.: none
Stock Unit: EA



Stock No.	kcmil	Approved Manufacturer
683590	500	Gould-Shawmut #CP-500-c6

PMH-5 PADMOUNT SWITCH ACCESSORIES

S&C Fault Fiter Electronic Power Fuse Parts



Description: Interrupting module, control modules, and disconnect style fuse holders for S&C Fault Fiter electronic power fuses. Parts are rated 29 kV maximum, 150 kV BIL, 600 A continuous, 40kA interrupting, symmetrical. For more information, refer to S&C Descriptive Bulletin 441-30 or Specification Bulletin 441-31.

Application: In legacy applications, S&C Fault Fiter electronic power fuses have been used in conjunction with S&C type PMH-5 padmount switchgear to protect distribution transformers rated 3 MVA and above. Parts listed here are for maintenance of existing installations; new installations should utilize multi-purpose, distribution switchgear specified in Material Standard 2501.65. Obsolete control modules, Stock Number 259443 and 259846, should be replaced (if necessary) with Stock Numbers 259423 and 012685 respectively.

The control module includes a current transformer and electronic circuit which provides source power, current sensing, and electronically determined time-current characteristics for the fuse. The interrupting module carries load current continuously through a main current section and, during a fault condition, transfers current to a circuit-interrupting section in response to a signal from the control module.

SCL Matl. Std.: none

SCL Std. File: 6842.00

Stock Unit: EA

Stock No.	Description	Transformer Application, MVA	S&C Catalog Number	Pick-Up Min./ High Amperes	Short Time Delay Band
259413	Electronic Control Module	5	7010-C40S1T3D8	400 / 3000	1
259423	Electronic Control Module	7.5	7010-C40S2T3D8	400 / 3000	2
259426	Electronic Control Module	10	7010-C40S2T6D8	400 / 6000	2
012685	Electronic Control Module	15	7010-C80S2T6D8	800 / 6000	2
259500	Interrupting Module	-	803600R2	-	-
259100	Holder (less mounting)	-	99113	-	-

MOTOR OPERATOR KIT

Description: MOTOR OPERATOR KIT, includes 24 volt DC ZSD relay, PT, CTs, battery packs and charger.

Stock No.: 250163

S&C Cat. No.: 38971R2-A1A10Y8Z1

SCL Matl. Std.: none

Stock Unit: EA

FUSES, 600-VOLT AND BELOW

GENERAL PURPOSE FUSE, Non-Current Limiting, 250 And 600 Volt

Description: See Material Standard

Application: General purpose fuses are used to protect feeder and branch circuits where the available short-circuit current does not exceed 50,000 amperes for circuits rated up to 60 A (or 10,000 amperes for circuits rated 65 to 600 A).

General purpose fuses are appropriate for lighting, heating, and other non-inductive circuits.

General purpose fuses are intended for dry applications only.

Stock Numbers 682607 and 682609 are used in fire detection control cabinets.

Refer to Construction Guidelines NCB-140 and NCB-141.

SCL Matl. Std.: 6855.05

Stock Unit: EA

Stock No.	Voltage Rating, Vac	Current Rating, A
683020	250	1
683021	250	3
683023	250	6
683024	250	10
683025	250	15
683026	250	20
683027	250	25
683028	250	30
683029	250	35
683030	250	40
683031	250	45
683032	250	50
683033	250	60
683034	250	70
683035	250	80
682607	600	3
682609	600	10

DUAL-ELEMENT FUSE, Time-Delay, 250 Volt

Description: See Material Standard

Application: Unlike single-element, general purpose fuses (Material Standard 6855.05), dual-element, time-delay fuses can be sized closer to provide both high performance short-circuit protection and reliable overload protection in circuits subject to temporary overloads and surge currents.

Dual-element fuses are appropriate for motor, transformer, and other inductive circuits.

Dual-element fuses are intended for dry applications only.

SCL Matl. Std.: 6855.10

Stock Unit: EA

Stock No.	Current Rating, A
683037	100
683039	125
683040	150
683042	200
683043	225
683045	300
683047	400
683049	500
683050	600

FUSES, 600-VOLT AND BELOW

DUAL-ELEMENT FUSE, Time-Delay, Plug Type, 125 Volt, S - and T-Series

Description: See Material Standard

Application: Plug fuses are used to protect branch circuits where the available short-circuit current does not exceed 10,000 amperes.

T-series (Edison base) plug fuses are appropriate for general purpose circuits and can provide small motor overload protection when used with box cover units.

S-series plug fuses are designed with an industry standard attribute called rejection feature.

Fuses with rejection feature promote safety by preventing the overfusing of branch circuits.

Plug fuses are intended for dry applications, only.

T- to S-series adapters, Stock Number 683411, screw into Edison thread fuse sockets of standard fuse boxes making it easy to retrofit existing fuse installations.

Adapters only accept 15 A plug fuses, Stock Number 683350.

SCL Matl. Std.: 6855.15

Stock Unit: EA

Stock Number	Series	Base Type	Current Rating, A
683003	T	Edison	6
683354	T	Edison	10
683355	T	Edison	15
683356	T	Edison	20
683357	T	Edison	25
683358	T	Edison	30
683350	S	Rejection	15
683351	S	Rejection	20
683353	S	Rejection	30

683411 Adapter, T series (Edison) to S series (Rejection)

TIME-DELAY FUSE, 480 Volt

Description: See Material Standard

Application: Time-delay fuses are used to protect branch circuits where the available short-circuit current does not exceed 100,000 amperes.

Time-delay fuses are appropriate for lighting, heating, and other non-inductive circuits.

Time-delay fuses are designed with varied lengths to prevent misapplication.

Time-delay fuses are used in holders specified in Material Standard 6857.05.

Stock Number 683171 is used in physical totaling metering schemes (rare).

SCL Matl. Std.: 6855.25

Stock Unit: EA

Stock No.	Current Rating, A
683171	10
683172	15
683165	35
683163	50

FUSES, 600-VOLT AND BELOW

TIME-DELAY FUSE, 125 Volt

Description: see Material Standard

Application: Time-delay fuses may be used only where proper protection is already being provided by a branch circuit device.

Time-delay fuses are used to provide supplementary protection on branch circuits so that the branch circuit fuse is not disturbed in downstream, overcurrent situations.

Time-delay fuses may be used only where the available short-circuit current does not exceed 10,000 amperes at 125 Vac.

Interrupting rating significantly decreases with voltage.

Time-delay fuses are appropriate for general purpose, lighting, and meter circuits.

Fuses measuring 13/32 x 1-1/2 inches are also known as midget fuses.

SCL Matl. Std.: 6855.35

Stock Unit: EA

Stock Number	Current Rating, A
683193	5
683199	10

ELECTRIC FUSE, Small Dimension, Glass

Description: see Material Standard

Application: Electronic fuses are appropriate for electronic circuits.

SCL Matl. Std.: 6855.65

Stock Unit: EA

Stock Number	Voltage Rating, V	Current Rating, A	Type
683290	250	1	fast
683360	32	30	time-delay
012620	250	1	fast
012619	250	2	fast

FUSES, 600-VOLT AND BELOW

FAST-ACTING FUSE, 125 Volt, with Pin Indication

Description: see Material Standard

Application: Fast-acting fuses may be used only where proper protection is already being provided by a branch circuit device.

Fast-acting fuses may be used only where the available short-circuit current does not exceed 10,000 amperes. Fast-acting fuses have a red pin indicator that provides visual identification of failed circuits, resulting in faster troubleshooting.

Fast-acting fuses are appropriate for control and electronic circuits.

SCL Matl. Std.: 6855.40

Stock Unit: EA

Stock No.	Current Rating, A
683120	5

FAST-ACTING FUSE, Current Limiting, 600 Volt

Description: see Material Standard

Application: Fast-acting fuses may be used only where proper protection is already being provided by a branch circuit device.

Fast-acting fuses are used to provide supplementary protection on branch circuits so that the branch circuit fuse is not disturbed in downstream, overcurrent situations.

Fast-acting fuses may be used only where the available short-circuit current does not exceed 100,000 amperes.

Fast-acting fuses are appropriate for lighting, control, and meter circuits.

Fast-acting fuses are not appropriate for protecting motors or motor circuits.

Stock Number 683156 is used to fuse underground supplied streetlight lamps rated 175 to 700 W. Stock Number 683157 is used to fuse underground supplied streetlight lamps rated 1000 W.

Stock Number 683153 is used to fuse all analog and digital, station meter circuits.

Fuses measuring 13/32 x 1-1/2 inches are also known as midget fuses.

SCL Matl. Std.: 6855.50

Stock Unit: EA

Stock No.	Current Rating, A
683151	3
683153	5
683156	10
683157	15
683158	20
683160	30
683162	40

FUSE HOLDERS, 600-VOLT AND BELOW

IN-LINE FUSE HOLDER, Water-Resistant, and Insulating Boots

Description: see Material Standard

Application: In-line fuse holders may be used in dry or wet locations. In wet locations, use rubber insulating boots, Stock Number 682360, to provide added protection against dirt and water. When called for, two boots are required per in-line holder.

Fuse holder assembly, Stock Number 682366, is a breakaway version which includes a set of rubber insulating boots; all other Stock Numbers are non-breakaway and absent boots.

Fuse holders, Stock Numbers 682346, 682349, 682350, 682351, 682353, and 682366 are used with the "midget" fuses cited in Material Standards 6855.35 and 6855.50.

Fuse holder, Stock Number 682370, is used with the 480 V fuses, Stock Numbers 683171 and 683172, cited in Material Standard 6855.25.

Fuse holders, Stock Numbers 682335, 682352, and 012603 are used with the 480 V fuses, Stock Numbers 683165 and 683163, cited in Material Standard 6855.25.

Recommended coupling nut torque is 10 to 20 in-lb.

SCL Matl. Std.: 6857.05

Stock Unit: EA

Stock Number	Voltage Rating, V	for Fuses measuring, diameter x length, in
682370	600	13/32 x 1-5/16
682346	600	13/32 x 1-1/2
682349		
682350		
682351		
682353		
682366		
682335	480	13/32 x 2-1/4
682352		
012603		
682360	Rubber-insulating boot, single-pole (two required per holder)	

PANEL-MOUNT FUSE HOLDER, 250 Volt

Description: see Material Standard

Application: Panel-mount fuse holders are used to mount small dimension, electronic, glass fuses in panels.

Panel-mount fuse holders are intended for mounting in panel holes 0.505 +/- .005 inches in diameter.

Panel-mount fuse holders may be used with fuse Stock Number 683360, cited in Material Standard 6855.65.

SCL Matl. Std.: 6857.10

Stock Unit: EA

Stock No.	Voltage Rating, V	For Fuses Measuring diameter x length, in
682348	250	1/4 x 1-1/4

BLOCK TYPE FUSE HOLDER, Non-Rejection, 600 Volt

Description: see Material Standard

Application: Block type fuse holders accept all fuses measuring 13/32 x 1-1/2 inch.

Fuses measuring 13/32 x 1-1/2 inch are also known as midget fuses.

Block type fuse holders may be mounted to a variety of flat surfaces. Refer to specific literature for mounting hole drill patterns.

The block type fuse holders specified in this standard lack an optional industry standard attribute called rejection feature.

Fuse holders with rejection feature (UL Class CC) promote safety by preventing the insertion of low fault duty rated fuses in high fault duty circuits.

Block type fuse holders will accept the any of the fuses cited in Material Standards 6855.35 and 6855.50.

SCL Matl. Std.: 6857.15

Stock Unit: EA

Stock No.	Description
012994	single pole
012995	three-pole

DUMMY NEUTRAL

DUMMY NEUTRALS, 250 Volt

Description: see Material Standard

Application: Dummy neutrals are used where a neutral conductor terminates on a UL Class H fuse block and it is not appropriate for a fuse to be in that leg of the circuit.

Dummy neutrals are installed in fuse blocks to effectively form a short circuit across the terminals of the block.

Dummy neutrals are not fuses.

Dummy neutrals are also known as neutral slugs.

SCL Matl. Std.: 6855.07

Stock Unit: EA

Stock Number	Fuse size equivalent
683235	30
683240	60

Secondary Spool Insulators and Assemblies with Insulators	***1***
Distribution Line Insulators, Porcelain, Tie Top	***10***
Distribution Line Insulators, Porcelain, Post	***12***
Distribution Line Insulators, Polymer, Suspension	***14***
Transmission Line Insulators, Porcelain, Suspension	***20***
Transmission Line Insulators, Porcelain, Post	***22***
Transmission Line Insulators, Polymer, Suspension	***24***
Transmission Line Insulators, Polymer, Post	***26***
Station Bus and Apparatus Insulators, Porcelain	***30***
Station Bus and Apparatus Insulators, Polymer	***32***
Distribution Transformer Bushings, Porcelain	***42***
Guy Strain Insulators	***54***
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Seattle City Light

STOCK CATALOG

SECONDARY SPOOL INSULATORS AND ASSEMBLIES WITH INSULATORS

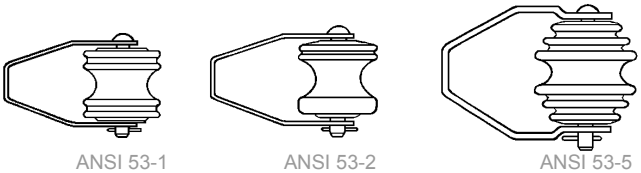
CLEVIS WITH SPOOL INSULATOR

Description: clevis assembled with insulator

Application: secondary

SCL Matl. Std.: 6904.10

Stock Unit: EA



ANSI 53-1 ANSI 53-2 ANSI 53-5

Stock Number	Steel Size, in	ANSI Insulator Class
690455	3/16 x 1-1/2	53-1
690452	3/16 x 1-1/2	53-2
690458E	1/4 x 1-1/2	53-5

PORCELAIN SPOOL INSULATOR

Description: gray, porcelain, spool type, insulators

Application: Spool insulators are used with rigid clevis yokes, double-upset bolts, and four-spool racks to support deadend secondary and common neutral conductors. Spool insulators pre-assembled with a clevis bracket are also available (see above). Refer to Material Standard 6904.10.

SCL Matl. Std.: 6906.1

Stock Unit: EA

690658

690656

Stock Number	Size, in	Radius, in	ANSI Insulator Class
690658E	2-1/4 x 2-1/8	7/16	53-1
690656E	3-1/8 x 3	11/16	53-2

ANGLE BRACKET WITH SPOOL INSULATOR

Description: bracket assembled with ANSI Class 53-2 insulator

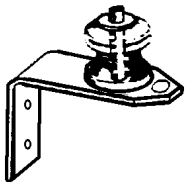
Application: secondary, pole mounting

SCL Matl. Std.: 6904.20

Stock Unit: EA

690402

Stock Number	Spacing: Insulator Center to Pole Face, in
690402E	3-7/16
690404E	7-3/8



690404

WALL BRACKET WITH SPOOL INSULATOR

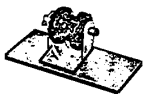
Description: Hot-dipped galvanized steel base, ANSI 53-1 insulator, and clevis pin – stainless steel cotter pin combination.

Application: for dead-ending overhead services to roofs and walls

SCL Matl. Std.: none

690405

Stock Unit: EA



690411

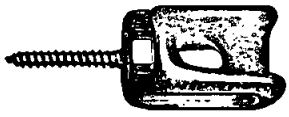
Stock Number	Manufacturer's Catalog Numbers Nichols	Wilcor
690405E	95	WA95
690411E	315-S (cotter pin)	WA315S

WIREHOLDER, Porcelain with Screw

SCL Matl. Std.: 6907.1

Stock Unit: EA

Stock Number: 690706E



DISTRIBUTION LINE INSULATOR, PORCELAIN, TIE TOP

PIN TYPE

Description: Gray, porcelain, pin type insulator with “C” neck tie top.

Application: Porcelain, pin type insulators are installed on wood cross arms to support lines rated up to 4 kV, phase-phase.

SCL Matl. Std.: 6900.10

Stock Unit: EA

Stock No	Pin Height, in, minimum	ANSI C29.5 Class
690005E	4	55-2

DISTRIBUTION LINE INSULATORS, PORCELAIN, POST

CLAMP TOP, Horizontal, Line Post

Description: Gray, porcelain, clamp top, horizontal line post insulators with trunnion fittings. Use insulator with 3/4-inch studs, Stock Numbers 696826E or 696828E.

Application: Horizontal line post insulators are used to construct 26.4 and 34.5 kV overhead distribution lines.

SCL Matl. Std.: 6901.60

Stock Unit: EA

Stock No.	Typical Application	Horizontal Coupling Length, Nominal, in
690173	34.5 kV nominal lines and below	14

CLAMP TOP, Vertical, Line Post

Description: Gray, porcelain, clamp top, vertical line post insulators with Trunnion fittings.

Application: Clamp top vertical line post insulators are used to construct overhead distribution lines.

SCL Matl. Std.: 6901.40

Stock Unit: EA

Stock No.	Typical Application	Vertical Coupling Length, Nominal, in
690159	26 kV nominal lines	13
690163	46 kV nominal lines or 26 kV nominal lines in contaminated areas	16
690166	69 kV nominal lines or 35 kV lines in contaminated areas	21.5

TIE TOP, Vertical, Line Post

Description: Gray, porcelain, vertical line post insulator with F neck tie top.

Application: Tie top vertical line post insulators are used to construct overhead distribution lines.

Use with 3/4 in studs, Stock Nos. 696826E or 696828E.

SCL Matl. Std.: 6901.30

Stock Unit: EA

Stock No.	Typical Application	Vertical Coupling Length, Nominal, in
690157	26 kV nominal lines	12
690161	26 kV lines in contaminated and non-contaminated areas	15

DISTRIBUTION LINE INSULATORS, POLYMER, SUSPENSION

DEADEND INSULATOR, Suspension

Description: Polymer, suspension (deadend) type insulator with clevis/tongue end fittings. Weathersheds are gray silicon rubber.

Application: For installation on wood poles or crossarms to support distribution conductors. For new construction. Routine Test Load (RTL) rating is equal to 50% of Specified Mechanical Load (SML) rating. Typical application for 26 kV nominal lines and below.

SCL Matl. Std.: 6902.30

Stock Unit: EA

Stock No.	SML, lbs	Horizontal Coupling Length, Nominal, in
690233	15,000	20
690235	15,000	25

TRANSMISSION LINE INSULATORS, PORCELAIN, SUSPENSION

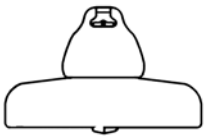
DEADEND, Suspension

Description: Porcelain, suspension (deadend bell) type insulator with ANSI ball and socket end fittings. Units are 10 inches in diameter.

Application: For installation on wood poles or crossarms to support transmission conductors. Units are connected in strings to obtain desired voltage rating. For use in contaminated areas, Stock No. 690220 has 48% greater leakage than Stock No. 690210. For new 115 kV line construction, use Stock No. 690237.

SCL Matl. Std.: 6902.5

Stock Unit: EA



Stock No.	Mechanical and Electrical Strength, lbs	Color	ANSI C29.2 Class
690210	15,000	brown	52-3
690214	25,000	gray	52-5
690215	25,000	brown	52-5
690220	15,000	gray	52-3*

* increased leakage version of Stock No. 690210

TRANSMISSION LINE INSULATORS, PORCELAIN, POST

HORIZONTAL POST: Use to depletion.

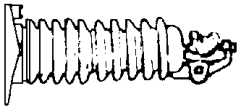
No longer purchased. Information is presented here for reference only. Refer to Matl. Std. 6901.55 for alternates.

Description: Porcelain, horizontal line post type insulator with trunnion end fitting. Gray.

Application: For installation on wood poles to support transmission conductors. Typical application, 115 kV nominal lines.

SCL Matl. Std.: 6901.5

Stock Unit: EA



Stock No	Strength Rating (Ultimate Cantilever), lbs	Horizontal Coupling Length, in
690184	2,800	30-3/4

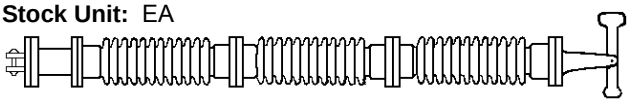
HORIZONTAL STRUT

Description: Porcelain, horizontal strut type insulator (single strut section). A complete assembly (Lapp catalog number L-99126) is composed of end fittings and three individual insulator sections.

Application: For installation on structures to support transmission conductors.

SCL Matl. Std.: none

Stock Unit: EA



Description	Stock No.	Lapp Catalog No.
strut section	690181	L-56443
complete assembly*	none	L-99126

* reference: Lapp suspension insulator, Catalog 9-B, page 45

HORIZONTAL POST, Multi-Sectional

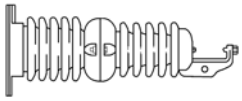
Description: Porcelain, multi-sectional, horizontal line post type insulator with trunnion end fitting.

Application: For installation on wood poles to support transmission conductors at specific sites in Seattle City Light's service territory. For new construction, use Stock No. 690189 for 115 kV nominal line applications or Stock No. 012382 for 230 kV nominal line applications.

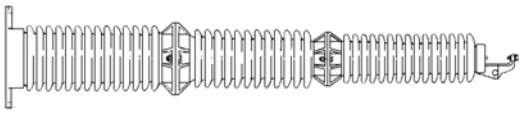
SCL Matl. Std.: none

Stock Unit: EA

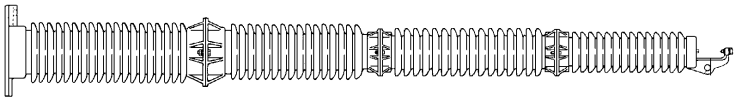
690176 and 690177



690178



690179



Stock No.	Strength Rating (Ultimate Cantilever), lbs	Color	Includes Load Limiter?	Lapp Catalog No.	Typical Application, Nominal Lines	Service Location
690176	4,000	brown	no	F-97407	115 kV	8th Avenue NE
690177	4,000	gray	yes	F-303759-A70	115 kV	PNT & Lake Union
690178	4,250	brown	yes	F-91721-A	230 kV	MV-MA & SO-MA
690179	1,500	gray	no	F-310207RF	230 kV	PSE-BO Tie

Seattle City Light

STOCK CATALOG

TRANSMISSION LINE INSULATORS, POLYMER, SUSPENSION

FOR 230 kV NOMINAL SYSTEMS

Description: Polymer, 230 kV, polymer, suspension type insulator with ANSI C29.2, 52-5 type J socket on top/structure end and 52-5 type J ball on bottom/line end. Each insulator is provided with a 9-inch grading ring on the line end. Weathersheds are gray silicon rubber.

Application: Insulator is intended for use in overhead transmission systems nominally rated up to 230 kV phase-to-phase, 60Hz. Routine Test Load (RTL) rating is equal to 50% of Specified Mechanical Load (SML) rating.

SCL Matl. Std.: 6902.37

Stock Unit: EA

Stock No.	Minimum SML, lbs	Minimum RTL, lbs	Section Length, in	ANSI C29.2 End Fitting Class	Typical Application, Nominal Lines, kV
012782	30,000	15,000	89 (±2)	52-5	230

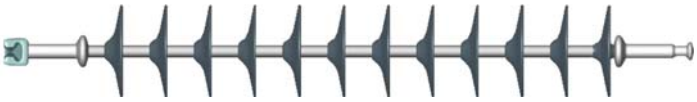
FOR 115 kV NOMINAL SYSTEMS

Description: Polymer, suspension type insulator with ANSI C29.2, 52-5 type J socket on structure end and 52-5 type J ball on line end. Weathersheds are gray silicon rubber.

Application: For installation on wood poles or crossarms to support transmission conductors. For new construction. Routine Test Load (RTL) rating is equal to 50% of Specified Mechanical Load (SML) rating.

SCL Matl. Std.: 6902.35

Stock Unit: EA



Stock No.	SML, lbs	RTL, lbs	Horizontal Coupling Length, in	ANSI C29.2 End Fitting Class	Typical Application, Nominal Lines, kV
690237	30,000	15,000	50 (+3, -2)	52-5	115

TRANSMISSION LINE INSULATORS, POLYMER, POST

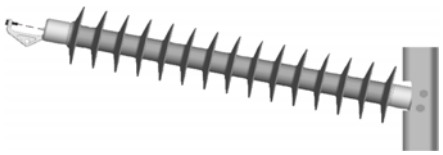
HORIZONTAL, 115 kV

Description: Gray, polymer, horizontal line post insulators with trunnion end fittings.

Application: Horizontal line post insulators are used to construct 115 kV overhead transmission lines. Maximum Design Cantilever (MDC) rating is equal to 40% of Ultimate strength rating. The ultimate cantilever strength rating is 3,790 lbs. The MDC strength rating is 1,515 lbs.

SCL Matl. Std.: 6901.55

Stock Unit: EA



Stock No	Typical Application	Horizontal Coupling Length, in
012830	115 kV, steel poles, flat base, refer to material standard for base details. Not for new construction. Stock number 012830 used on North to Bothell 115 kV line; this insulator is not recommended for new construction. Contact Standards for more information.	46 (+3, -2)
013307	115 kV, steel or glue-lam poles, flat base	46 (+3, -2)
690189	115 kV, wood poles, curved base	46 (+3, -2)

HORIZONTAL, 230 kV

Description: Gray, polymer, horizontal line post insulators with drop eye end fitting and grading ring.

Application: Horizontal line post insulators are used to construct 230 kV overhead transmission lines. Maximum Design Cantilever (MDC) rating is equal to 40% of Ultimate strength rating. The ultimate cantilever strength rating is 2,330 lbs. The MDC strength rating is 930 lbs.

SCL Matl. Std.: 6901.57

Stock Unit: EA

Stock No	Typical Application	Horizontal Coupling Length, in
012382	230 kV or 115 kV in contaminated areas, nominal, wood poles, curved base	74 (+1, -1)
013308	230 kV or 115 kV in contaminated areas, nominal, steel or glue-lam poles, flat base	74 (+1, -1)

STATION BUS AND APPARATUS INSULATORS, PORCELAIN

STATION POST

Description: Gray porcelain, station post type insulator.

Application: Porcelain, station post type insulators are used in substations to support buses or apparatus.

SCL Matl. Std.: 6901.80

Stock Unit: EA

Stock No.	ANSI C29.9 Insulator Class	Unit Height, in	Bolt Circle Diameter, in	BIL, kV
690253	TR-202	7-1/2	3	95
690280	TR-222	10	5	95
690186	TR-205	10	3	110
690187	TR-208	14	3	150

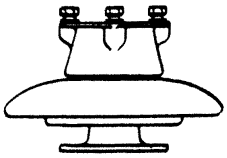
CAP AND PIN

Description: Porcelain, cap and pin type insulator. Color may be brown or gray.

Application: For use in substations to support bus or apparatus.

SCL Matl. Std.: none

Stock Unit: EA

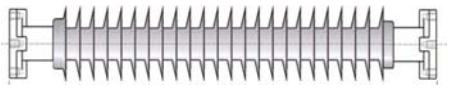


Stock No.	ANSI C29.9 Insulator Class	Unit Height, in	Bolt Circle Diameter, in	BIL, kV
690284*	TR-58	7-1/4	5	95

* No longer purchased or manufactured. Save old stock for existing installations; retain salvage for reuse. Use Stock No. 690280 for new construction.

STATION BUS AND APPARATUS INSULATORS, POLYMER

STATION POST, 115 kV



Description: Polymer, station post type insulator with 5-inch diameter bolt circle end fitting each end. Weathersheds are gray silicon rubber.

Application: For use in substations to support 115 kV bus or on a wood pole as a vertical line post insulator (with separate trunnion adapter). Electrical and mechanical ratings are slightly different than those of porcelain TR-286 units. Because polymer insulators are much less rigid than their porcelain equivalents, do not use to support disconnect-switch live parts without approval from Standards.

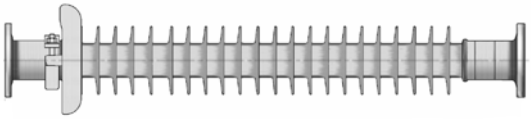
This insulator, in combination with a steel trunnion adapter (Stock No. 012381) and bracket (Stock No. 693017), can also be used as a vertical line post insulator.

SCL Matl. Std.: 6901.95

Stock Unit: EA

Stock No.	ANSI C29.9 Insulator Class	Unit Height, in	Bolt Circle Dia., in	BIL, kV
012383	TR-286	45	5	550

STATION POST, 230 kV



Description: Polymer, station post type insulator with 5-inch diameter bolt circle end fitting each end and one grading ring. Weathersheds are gray silicon rubber.

Application: For use in substations to support 230 kV bus or on a wood pole as a vertical line post insulator (with separate trunnion adapter). Electrical and mechanical ratings are slightly different than those of porcelain TR-304 units. Because polymer insulators are much less rigid than their porcelain equivalents, do not use to support disconnect-switch live parts without approval from Standards.

This insulator, in combination with a steel trunnion adapter (Stock No. 012381) and bracket (Stock No. 693017), can also be used as a vertical line post insulator.

SCL Matl. Std.: 6901.97

Stock Unit: EA

Stock No.	ANSI C29.9 Insulator Class	Unit Height, in	Bolt Circle Dia., in	BIL, kV
012781	TR-304	80	5	900

DISTRIBUTION TRANSFORMER BUSHINGS, PORCELAIN

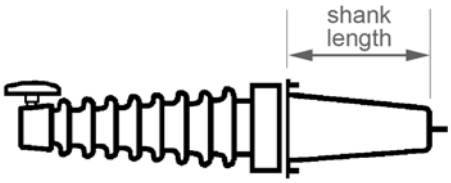
COVER MOUNT BUSHING

Description: Extra creep, liquid-filled transformer bushing, 34.5 kV insulation class, 150 kV BIL. Includes mounting hardware, bird guard, and hand knob.

Application: For upgrading 26 kV overhead distribution transformers assigned to areas with high levels of salt spray contamination.

SCL Matl. Std.: none

Stock Unit: EA



Stock No.	Leakage Distance, in	Shank Length, in	Number of Sheds	Fits Transformers*	Approved Manufacturers
690137	30.5	7.25	11	ABB	ABB #772C078G76 with Wepco bird guard and hand knob.
690138	32.5	8.37	11	Kuhlman	Kuhlman #6210208-901 with bird guard and hand knob.
690139	30.0	10.50	na	Central	Central #2-32200951 with bird guard and hand knob.

* True for majority of kVA ratings of named manufacturer installed on Seattle City Light's system.

GUY STRAIN INSULATORS

PORCELAIN, Guy Strain, Gray

Description: Gray, porcelain, guy strain insulator.

Application: Porcelain, guy strain insulators are installed in down guys and span guys to create an electric break.

SCL Matl. Std.: 6901.10

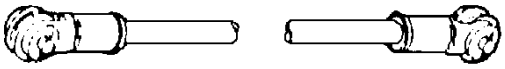
Stock Unit: EA

Stock Number	Length, in	ANSI C29.4 Class
690104E	4-1/4	54-2
690106E	5-1/2	54-3

FIBERGLASS, Clevis-Clevis, Two Rollers

SCL Matl. Std.: 6900.5

Stock Unit: EA



Stock Number	Rod Length, in	Minimum Breaking Strength, lbs	Minimum BIL, kV
690092E	12	15,000	200
690096	24	35,000	400
690090	35 ± 1	21,000	550
690094	108	21,000	1500

CLEVIS AND EYE SUSPENSION HARDWARE

BALL FITTINGS

Description: made of galvanized heat-treated, drop-forged steel; cotter pins, where required, made of hard-drawn bronze or stainless steel, and are self-locking

Application: commonly used to attach suspension insulators to supporting structures

SCL Matl. Std.: 6955.1

Stock Unit: EA

1 2 3 4 5

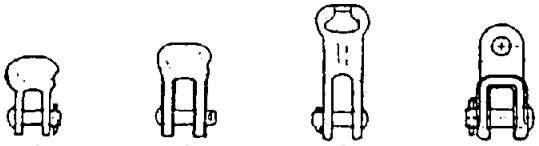
Stock Number	Figure	Type	Ultimate Strength, lbs
695505	1	ball clevis	27,000
695515	2	ball clevis, long	27,000
695525	3	“Y” ball, tower	30,000
695860	4	ball eye	30,000
696135	5	ball eye, clevis tower	30,000

SOCKET FITTINGS, Clevis

Description: made of galvanized drop-forged steel or malleable iron; cotter pins made of hard-drawn bronze or stainless steel, and are self-locking and self-retaining after installation

SCL Matl. Std.: 6955.2

Stock Unit: EA



1 2 3 4

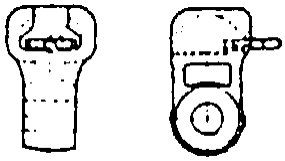
Stock Number	Figure	Type	Ultimate Strength, lbs
695540	1	socket clevis	18,000
695545	2	socket clevis	30,000
695550	3	socket clevis	30,000
695970	4	clevis eye, 90°	18,000

SOCKET FITTINGS, Eye

Description: socket eye fittings made of galvanized malleable iron or drop-forged steel; cotter pins made of hard-drawn bronze or stainless steel, and are self-locking and self-retaining after installation

SCL Matl. Std.: 6960.2

Stock Unit: EA



Stock Number	Ultimate Strength, lbs
696008	16,000
696017	18,000
696020	27,000
696029	18,000

SHACKLE AND LINK HARDWARE

SHACKLES, Anchor, Round Pin

Description: galvanized
SCL Matl. Std.: 6966.15
Stock Unit: EA
Application: Anchor shackles with round pins are for constructing permanent assemblies, such as attaching a high-voltage insulator to a steel tower.

Anchor shackles with round pins can be used in tie down, towing, suspension or lifting applications where the load is strictly applied in-line. Round pin shackles should never be used in rigging applications to gather multiple sling legs, or where side loading conditions may occur.

Working load limit (WWL) values are calculated by dividing a shackle's ultimate strength (also known as breaking load rating) by a safety factor. Working load limit is also known as safe working load (SWL).

Seattle City Light transmission line engineers commonly employ a safety factor of four. Federal Specification RR-C-271D calculates working load limits based on a safety factor of five.

If a shackle is marked with a working load limit (WWL) or safe working load (SWL) value, the ultimate strength or breaking load is (probably) five times higher. If a shackle is marked with an ultimate strength, the working load limit is calculated as either four or fives times less, depending on the user's choice of safety factor.

An anchor shackle should never be applied above its working load limit.

Stock Number	Body Diameter, Nominal, in	Ultimate Strength, Minimum, lbs
696603	1/2	20,000
696604	5/8	32,500
696605	3/4 (wide bow)	47,500
696618	3/4	47,500

SHACKLES, Anchor, Screw Pin

Description: galvanized
SCL Matl. Std.: 6966.17
Stock Unit: EA
Application: Anchor shackles with screw pins are for pick and place applications.

Anchor shackles with screw pins can be used in side-loading situations; however users should be aware that this reduces effective working load limits.

There are many dos and don'ts to rigging. Inexperienced users should not attempt rigging without consulting someone who is.

Working load limit (WWL) values are calculated by dividing a shackles' ultimate strength (also known as breaking load rating) by a safety factor. Working load limit is also known as safe working load (SWL).

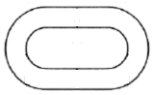
Federal Specification RR-C-271D calculates working load limits based on a safety factor of five.

An anchor shackle should never be applied above its working load limit.

Stock Number	Body Diameter, Nominal, in	Ultimate Strength, Minimum, lbs
696620E	1/4	5,000
696621E	3/8	10,000
696622E	7/16	15,000
696623E	1/2	20,000
696624	5/8	32,500
696625	3/4	47,500
696626	7/8	65,000
696627	1	85,000

CHAIN LINKS

Description: galvanized
Application: connecting line hardware and insulators
SCL Matl. Std.: none
Stock Unit: EA

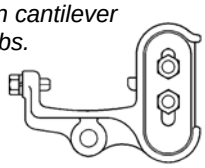


			Approved Manufacturers		
Stock Number	Ultimate Strength, lbs	Nominal Dimensions, in	Hubbell/ Anderson	Lindsey	MacLean
696195	40,000	5/8 x 1 x 3-1/4	79272-2000	3403	CL5
696200	60,000	3/4 x 1 x 3-1/2	LK60	3405	CL6

INSULATOR CONNECTION HARDWARE, CLAMPS

ADAPTER, Clamptop

Application: For horizontal line post insulator Ohio Brass 232106-3002. Without conductor clamp. *Note: Regardless of insulator rating, both maximum design cantilever and tension loads are reduced to 1500 lbs. when clamptop adapter is used.*



SCL Matl. Std.: none

Stock Unit: EA

Stock No.	Approved Manufacturer	Catalog Number
693015	Ohio Brass	271630

ADAPTER, Vertical Clamp

Description: Adapter with a 5-inch bolt circle includes a trunnion bolt with lock washer and four 5/8 in x 1-1/4 in mounting bolts with lock washers.

Application: This adapter is used to convert a standard 115 kV polymer station post insulator (Stock No. 012383) to a vertical line post insulator with a trunnion end fitting. Use bracket Stock No. 693017 to mount insulator to pole top.

SCL Matl. Std.: none

Stock Unit: EA

Stock No.	Approved Manufacturer	Catalog Number
012381	Lindsey Manufacturing Co.	2121W/BOLT

TRUNNION BOLTS, for Clamptop Type Insulators

Description: 5/8″ NC x 2″; galvanized with jam nut assembled

Application: Replacement bolt for use with trunnion end fitting type insulators, such as Stock Number 690184.

SCL Matl. Std.: none

Stock Unit: EA

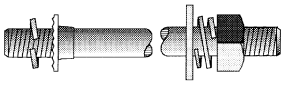
Stock No.: 012182E

STUDS, for Post Insulators

SCL Matl. Std.: 6901.31

Stock Unit: EA

long stud



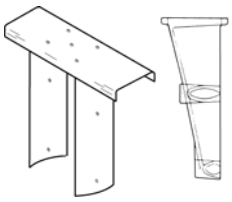
Stock No.	Description	Size, in
696826E	short stud	3/4 x 1-3/4
696828E	long stud	3/4 x 7-1/2

Seattle City Light

STOCK CATALOG

INSULATOR MOUNTING HARDWARE, BRACKETS

BRACKET, Pole Top



Description: fits pole diameters from 7-1/2″ to 11″

Application: for mounting pole top vertical line post insulators

SCL Matl. Std.: none

Stock Unit: EA

Stock No.	Approved Manufacturer	Catalog Number
693017	Hughes	B2638-A
	Lindsey Manufacturing Co.	2050SCL
	MacLean Power Systems	BPT-88

BRACKET, Pole Top

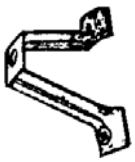
Application: for post or pin insulators

SCL Matl. Std.: 5632.6

Stock Unit: EA

Stock No.: 563253

BRACKET, Side Mount



Description: nine inch pole clearance

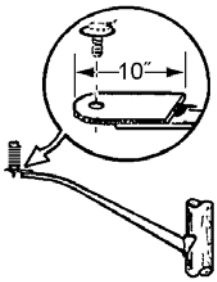
Application: for post or pin insulators

SCL Matl. Std.: 5632.7

Stock Unit: EA

Stock No.: 580510

BRACKET, Side Arm



Description: aluminum; 69 inch span; per SCL Drawing A-6080; SCL Shop made

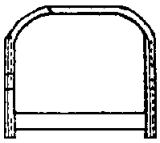
Application: insulator mounting; see SCL Construction Guideline D9-50

SCL Matl. Std.: none

Stock Unit: EA

Stock No.: 580515

BRACKET EXTENSION, with Reinforcing Rod



Application: for secondary racks

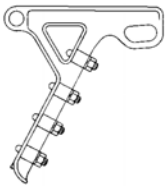
SCL Matl. Std.: 5805.1

Stock Unit: EA

Stock No.: 580505E

DEADEND CLAMPS

QUADRANT STRAIN, Forged Steel or Malleable Iron



Description: galvanized; cotter pins are stainless steel or hard drawn bronze

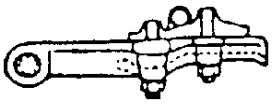
Application: for copper conductor

SCL Matl. Std.: 6933.1

Stock Unit: EA

Stock No.	Conductor Size, AWG - kcmil	Ultimate Strength, lbs
693370	1/0 - 300	20,000

STRAIGHT LINE, Malleable or Ductile Iron



Description: galvanized; cotter pins are stainless steel

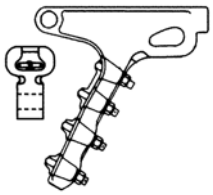
Application: for copper conductor

SCL Matl. Std.: 6939.10

Stock Unit: EA

Stock No.	Conductor Diameter, in		Ultimate Strength, lbs
	Minimum	Maximum	
693901	0.36	0.93	15,000 clamp 12,000 sag eye

QUADRANT STRAIN, Aluminum



Description: socket eyes are forged steel or malleable iron; cotter pins are stainless steel

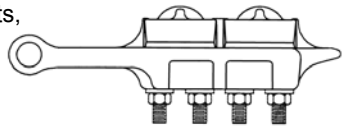
Application: for aluminum or ASCR conductor

SCL Matl. Std.: 6937.1

Stock Unit: EA

Stock No.	Conductor Size, ACSR	Ultimate Strength, lbs
693805	397.5 - 477	25,000
693825	477 - 954	30,000

STRAIGHT LINE, Hot Line Operable, Aluminum



Description: cotter pins and springs are stainless steel; bolts, nuts, washers, and pins are galvanized steel

Application: for aluminum or ASCR conductor

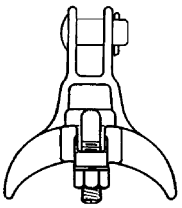
SCL Matl. Std.: 6942.2

Stock Unit: EA

Stock No.	Conductor Size		Ultimate Strength, lbs
	Minimum	Maximum	
694292	3/0	397	12,000
694294	477	954 (Rail)	15,000

INSULATOR CLAMPS, SUSPENSION

ANGLE, Forged Steel or Malleable Iron



Description: galvanized; cotter pins are stainless steel or hard drawn bronze

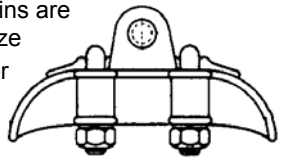
Application: hot operable; for copper conductor; for turning angles up to 120 degrees

SCL Matl. Std.: 6950.1

Stock Unit: EA

Stock No.	Conductor Diameter, in Minimum	Conductor Diameter, in Maximum	Ultimate Strength, lbs
695016	0.162	0.600	7,000

SUSPENSION, Malleable Iron



Description: galvanized; cotter pins are stainless steel or hard drawn bronze

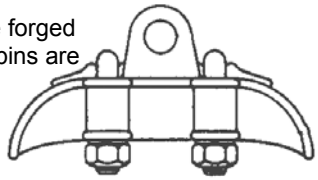
Application: for copper conductor

SCL Matl. Std.: 6950.2

Stock Unit: EA

Stock No.	Conductor Diameter, in Minimum	Conductor Diameter, in Maximum	Ultimate Strength, lbs
695015	0.40	0.82	18,000

SUSPENSION, Aluminum



Description: socket eyes are forged steel or malleable iron; cotter pins are stainless steel or hard drawn bronze

Application: for aluminum conductor

SCL Matl. Std.: 6951.1

Stock Unit: EA

Stock No.	Conductor Diameter, in Minimum	Conductor Diameter, in Maximum	Ultimate Strength, lbs
695115	0.40	0.80	15,000
695119	0.50	1.02	25,000
695137	1.00	1.45	25,000
695155	1.25	1.82	25,000
695167	1.75	2.25	25,000

SUSPENSION ASSEMBLY, Double String

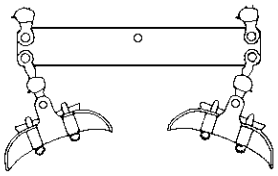
Description: type D; per SCL Drawing TD-10098

Application: for 230 kV transmission line

SCL Matl. Std.: none

Stock Unit: ST

Stock No.: 693060

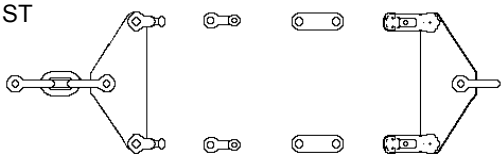


DEADEND STRAIN YOKE ASSEMBLY

Description: galvanized; heavy duty

SCL Matl. Std.: none

Stock Unit: ST



Stock No.	Approved Manufacturer	Catalog Number
693085	Anderson	79633-3001

LINE POST INSULATOR CLAMPS AND LOAD LIMITER HARDWARE

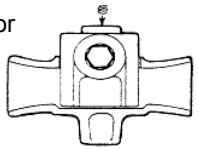
LINE POST INSULATOR CLAMP, Malleable Iron

Description: trunnion, line post rating 34.5 kV, galvanized with stainless steel springs; one or two bolts

Application: for use with copper conductor

SCL Matl. Std.: 6951.5

Stock Unit: EA


one bolt

	Conductor Diameter, in	
Stock No.	Minimum	Maximum
695182	0.25	0.56
695183	0.50	1.06

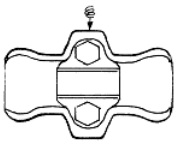
LINE POST INSULATOR CLAMP, Aluminum

Description: trunnion, line post rating 34.5 kV, with stainless steel springs; one or two bolts

Application: for use with aluminum or ACSR conductor

SCL Matl. Std.: 6951.5

Stock Unit: EA


two bolt

	Conductor Diameter, in	
Stock No.	Minimum	Maximum
695192	0.25	0.56
695193	0.50	1.06
695196	0.99	1.50

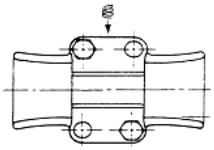
LINE POST INSULATOR CLAMP, Aluminum

Description: trunnion, line post rating 115 kV, with stainless steel springs; one, two or four bolts

Application: for use with aluminum or ACSR conductor

SCL Matl. Std.: 6951.5

Stock Unit: EA


four bolt

	Conductor Diameter, in	
Stock No.	Minimum	Maximum
695194	1.00	1.50
695195	1.50	2.00

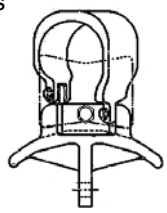
LOAD LIMITERS, HORIZONTAL POST INSULATOR

Description: Tangent load limiter assembly; each assembly consists of a hinged retainer ring on a belled body with trunnion shear bolts for supporting the conductor clamp; furnished without shear bolts, order separately, see below.

Application: for use on horizontal post insulators on steel poles

SCL Matl. Std.: none

Stock Unit: EA



Stock No.	Lapp Catalog Number	Use with Insulator Stock No.
693043	301053-B	690177

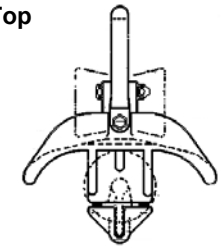
LOAD LIMITER ADAPTER, for Clamp Top

Description: furnished without shear bolts, order separately, see below

Application: for use on horizontal post insulators on steel poles

SCL Matl. Std.: none

Stock Unit: EA



Stock No.	Lapp Catalog Number	Use with Insulator Stock No.
693045	V-99048	690177
		690178

LOAD LIMITER SHEAR BOLTS, Steel

Description: 1,500 pounds shear strength

Application: for use on horizontal post insulators on steel poles; use with load limiters above

SCL Matl. Std.: none

Stock Unit: EA

Stock No.	Lapp Catalog Number	Use with Limiter Stock No.
693008	305851	693045
693009	305852	693045
693010	305880	693043

Compression Connectors, for 200 A Elbows **2**

Separable Connector (Elbow), 200 A, Loadbreak **3**

Accessories, Separable Connector (Elbow), 200 A, 125 kV BIL, Loadbreak **4**

Accessories, Bushings, Separable Connector (Elbow), 200 A, 125 kV BIL, Loadbreak **5**

Accessories, Separable Connector (Elbow), 200 A, Loadbreak **7**

Separable Connector (Elbow), 200 A, Deadbreak **10**

Accessories, Separable Connector (Elbow), 200 A, 125 kV BIL, Deadbreak **11**

Accessories, Bushing Wells, Separable Connector (Elbow), 200 A, 125 kV BIL, Deadbreak **12**

Accessories, Bushings, Separable Connector (Elbow), 200 A, 125 kV BIL, Deadbreak **13**

Accessories, Bails, Separable Connector (Elbow), 200 A, 125 kV BIL, Deadbreak **14**

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COMPRESSION CONNECTORS, FOR 200 A ELBOWS

200 A, BI-METALLIC TYPE, Copper-Top, for Elbows

Application: Bi-metallic compression connectors are used to make up 200 A loadbreak and 200 A deadbreak separable connectors (elbows), Material Standards 6864.10 and 6864.00 respectively. In the majority of cases, 200 A elbow kits include a bi-metallic compression connector. Bi-metallic compression connectors are available separately for situations where the connector provided with a particular kit is lost, damaged, or not the correct size. Bi-metallic compression connectors can be used with either aluminum or copper conductor cable. Compression connector, Stock Number 686424, is used exclusively with elbows, Stock Numbers 686442 or 686440, to terminate 27 kV, #8 AWG copper cable (Kerite),

SCL Matl. Std.: 6864.00

Stock Units: EA

Stock Number	Conductor
686417	#1 AWG stranded
	1/0 AWG solid
686421	#2 AWG stranded
	#1 AWG solid
686424	#8 AWG stranded (Kerite)

SEPARABLE CONNECTOR (ELBOW), 200 A, LOADBREAK

LOADBREAK ELBOW KITS

Application: A separable connector (elbow) is a fully insulated and shielded system for terminating and electrically connecting an insulated power cable to electrical apparatus, other power cables, or both, so designed that the electrical connection can be readily established or broken by engaging or separating the connector at the operating interface. Suitable for use on 26.4 kV, 4-wire, solidly-grounded systems and 5 kV systems. Because of high fault duty, connectors rated 200 A continuous are not appropriate for network systems. Network systems should be constructed with connectors rated 600 A (or 900 A) continuous.

SCL Matl. Std.: 6864.05

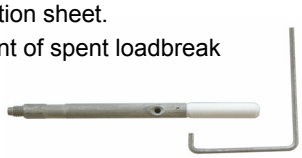
Stock Units: EA

Kit Stock Number	Conductor Application	Conductor Stock Number
686445	28 kV, 1/0 AWG solid aluminum, bare CN cable	602025
	28 kV, 1/0 AWG solid aluminum, jacketed CN cable	012098
686442	27 kV, #8 AWG copper Kerite cable	623650

LOADBREAK PROBE KIT

Description: Kit includes probe, installation tool, silicone lubricant, and instruction sheet.

Application: For replacement of spent loadbreak elbow probes of any make.



SCL Matl. Std.: 6864.05

Stock Units: EA

Stock Number: 686423

ACCESSORIES, SEPARABLE CONNECTOR (ELBOW), 200 A, 125 kV BIL, LOADBREAK

General Application: The accessories on this page are intended to be used in conjunction with 200 A, 125 kV BIL, loadbreak separable connector (elbow) kits (Material Standard 6864.05) to construct complete cable connector systems. Because of high fault duty, connectors rated 200 A continuous are not appropriate for network systems. Network systems should be constructed with connectors rated 600 A (or 900 A) continuous.
SCL Matl. Std. reference for this page: 6864.07
All Stock Units: EA

MULTI-WAY JUNCTION (J-Box), Five-Well, with Type 160PS Parking Stand Each End

Application: An accessory device with five interconnected wells. Center-to-center spacing is four inches. This Stock No. does not include bushing inserts. Order five loadbreak bushing inserts, Stock No. 686449, or five deadbreak bushing inserts, Stock No. 686430, for each five-well, junction box to form a complete unit.

Stock Number: 686555

INSULATED CAP with 5-foot Drain Wire Lead

Application: An accessory device designed to electrically insulate, electrically shield, and mechanically seal a bushing insert or integral bushing. For 26.4 kV or 5 kV loadbreak, transformer and junction box bushings.

Stock Number: 686452

THREADED STUD, 1-5/16″ x 3/8-16

Application: For replacement purposes if original threaded stud is lost or damaged. Stud is used to connect a loadbreak bushing insert, Stock No. 686449, or deadbreak bushing insert, Stock No. 686430, into a Patton & Cooke or Cooper Power Systems five-well, junction box, Stock No. 686555.

Stock Number: 686216

MULTI-WAY JUNCTION (J-Box), Four-Bushing, with Type 160PS Parking Stand Each End

Application: An accessory device with four interconnected bushings. Center-to-center spacing is four inches.

Stock Number: 686455

MULTI-WAY JUNCTION (J-Box),Three-Bushing, with Type 160PS Parking Stand Each End

Application: An accessory device with three interconnected bushings. Center-to-center spacing is four inches.

Stock Number: 686454

MULTI-WAY JUNCTION (J-Box), Two-Bushing, with Type 160PS Parking Stand Each End

Application: An accessory device with two interconnected bushings. Center-to-center spacing is four inches.

Stock Number: 686552

ACCESSORIES, BUSHINGS, SEPARABLE CONNECTOR (ELBOW), 200 A, 125 kV BIL, LOADBREAK

General Application: The accessories on this page are intended to be used in conjunction with 200 A, 125 kV BIL, loadbreak separable connector (elbow) kits (Material Standard 6864.05) to construct complete cable connector systems. Because of high fault duty, connectors rated 200 A continuous are not appropriate for network systems. Network systems should be constructed with connectors rated 600 A (or 900 A) continuous.
SCL Matl. Std. reference for this page: 6864.07
All Stock Units: EA

FEED-THRU PARKING BUSHING

Application: An accessory device with two electrically interconnected bushing interfaces that can be installed into a type PS160 parking stand.

Stock Number: 686453

BUSHING INSERT

Application: A connector component intended for insertion into a bushing well designed for use with another connector component, such as an elbow.

Stock Number: 686449

INSULATED PARKING BUSHING, Type 160PS

Application: An accessory device designed to electrically insulate, electrically shield, and mechanically seal a power cable terminated with an elbow and to be installed into a type 160PS parking stand.

Stock Number: 686450

GROUNDING PARKING BUSHING, Type 160PS, with 5-foot Ground Lead, 2/0 AWG Copper

Application: An accessory device designed to electrically ground and mechanically seal a de-energized power cable terminated with an elbow and to be installed into a type 160PS parking stand.

Stock Number: 686451

GROUNDING ELBOW with 5-foot Ground Lead, 2/0 AWG Copper

Application: A connector component for connecting a ground conductor to a bushing for the purpose of aiding the safe operation of the system. May be used in conjunction with a feed-thru parking bushing to ground a power cable.

Stock Number: 686444

TEST PROBE

Application: An accessory device designed to extend the energized bus contained within a bushing for the purpose of allowing easy attachment of a voltage detector, fault locator, or other test equipment. Test probe is ***not*** rated for grounding.

Stock Number: 686443

ACCESSORIES, SEPARABLE CONNECTOR (ELBOW), 200 A, LOADBREAK

COMPRESSION CONNECTOR, Replacement Part

Description: Same as for deadbreak elbows – see Stock Catalog page 70-2.

SCL Matl. Std.: 6864.00

LOADBREAK PROBE KIT, Replacement Part

Description: Kit includes probe, installation tool, silicone lubricant, and instruction sheet

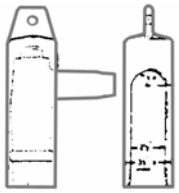
Application: For replacement of spent loadbreak elbow probes of any make -- Cooper, Elastimold, and RTE elbows.

SCL Matl. Std.: 6864.05

Stock Unit: EA

Stock Number: 686423

MUD COVER, Elbow



Application: Elbow protection in underground vaults.

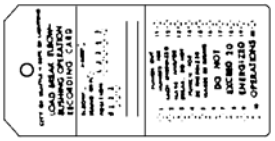
SCL Matl. Std.: 6864.03

Stock Unit: EA

Stock Number: 686467

RECORDING CARD

Application: To record number of operations on loadbreak elbows and bushings.



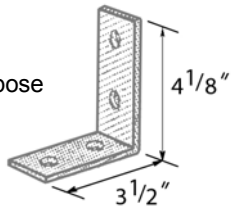
SCL Matl. Std.: 7653.16

Stock Unit: EA

Stock Number: 686465E

GROUND SUPPORT BRACKET, Hot-Dipped Galvanized

Application: To hold ground bus away from wall in loadbreak J-Box installations and other general purpose use.



SCL Matl. Std.: none

Stock Unit: EA

Stock Number	Manufacturers	Catalog number
686466	Unistrut	P-1325-HG
	Wesanco	W-5123 HDGAF

SEPARABLE CONNECTOR (ELBOW), 200 A, DEADBREAK

General Application: A separable connector (elbow) is a fully insulated and shielded system for terminating and electrically connecting an insulated power cable to electrical apparatus, other power cables, or both, so designed that the electrical connection can be readily established or broken by engaging or separating the connector at the operating interface. Suitable for use on 26.4 kV, 4-wire, solidly-grounded systems and 5 kV systems. Because of high fault duty, connectors rated 200 A continuous are not appropriate for network systems. Network systems should be constructed with connectors rated 600 A (or 900 A) continuous.
SCL Matl. Std. reference for this page: 6864.15
All Stock Units: EA

DEADBREAK ELBOW KITS

Description: Kit, Stock Number 686440, does not include compression connector.

Application: Elbow kits, Stock Numbers 686412, 686413, and 686414, are special cases. Little technical information is known about the cables they are to be used with. Elbows and related cables were installed in the Seattle neighborhoods of Laurelhurst, Hillcrest, and/or Edge-O-Town. These three kits are spares for emergency replacement.

Kit Stock Number	Application	Cable Stock Number
686416	28 kV, 1/0 AWG solid aluminum, bare CN cable	602025
	28 kV, 1/0 AWG solid aluminum, jacketed CN cable	012098
686440	27 kV, #8 AWG copper Kerite cable	623650
686412	5 kV, #2 AWG cable	none
686413	5 kV, 1/0 AWG cable	none
686414	15 kV, 1/0 AWG cable	none

PROBE CONTACT, Replacement Part

Stock Number: 686426

HOLD DOWN BAIL ASSEMBLY, Replacement Part

Application: Spring loaded, for Cooper Power Systems elbows.

Stock Number: 012435

HOLD DOWN BAIL ASSEMBLY, Replacement Part

Application: Spring loaded, for Thomas & Betts (Elastimold) elbows.

Stock Number: 012587

ACCESSORIES, SEPARABLE CONNECTOR (ELBOW), 200 A, 125 kV BIL, DEADBREAK

General Application: The accessories on this page are intended to be used in conjunction with 200 A, 125 kV BIL, deadbreak separable connector (elbow) kits, Material Standard 6864.15 to construct complete cable connector systems. Because of high fault duty, connectors rated 200 A continuous are not appropriate for network systems. Network systems should be constructed with connectors rated 600 A (or 900 A) continuous.
SCL Matl. Std. reference for this page: 6864.17
All Stock Units: EA

INSULATED CAP with 5-foot Drain Wire Lead

Application: An accessory device designed to electrically insulate, electrically shield, and mechanically seal a bushing insert or integral bushing. For 26.4 kV or 5 kV deadbreak, transformer and junction box bushings.

Stock Number: 686411

SHIPPING CAP

Application: Replacement shipping cap for instances when original cap is lost. Shipping caps are used to keep the mating surface of the elbow clean during shipping, storage, and handling prior to installation. It has no dielectric properties and is not to be used on energized systems.

Stock Number: 686469

INSULATED PLUG

Application: An accessory device designed to electrically insulate, electrically shield, and mechanically seal an elbow interface.

Stock Number: 686456

MULTI-WAY JUNCTION (J-Box), Four-Bushing, with Type 160PS Parking Stand Each End

Application: An accessory device with four interconnected bushings. Center-to-center spacing is four inches.

Stock Number: 686730

MULTI-WAY JUNCTION (J-Box), Three-Bushing, with Type 160PS Parking Stand Each End

Application: An accessory device with three interconnected bushings. Center-to-center spacing is four inches.

Stock Number: 686732

ACCESSORIES, BUSHING WELLS, SEPARABLE CONNECTOR (ELBOW), 200 A, 125 kV BIL, DEADBREAK

General Application: The accessories on this page are intended to be used in conjunction with 200 A, 125 kV BIL, deadbreak separable connector (elbow) kits, Material Standard 6864.15 to construct complete cable connector systems. Because of high fault duty, connectors rated 200 A continuous are not appropriate for network systems. Network systems should be constructed with connectors rated 600 A (or 900 A) continuous.
SCL Matl. Std. reference for this page: 6864.17
All Stock Units: EA

BUSHING WELL, Four-Hole Clamp Ring, Gasket to Be Field Fabricated

Application: An apparatus bushing having a cavity for insertion of connector component, such as a bushing insert.

Stock Number:
686433

BUSHING WELL, 9-1/2-inch Shank

Application: An apparatus bushing having a cavity for insertion of connector component, such as a bushing insert.

Stock Number:
686434

BUSHING WELL, 10-1/2-inch Shank, 3/8-inch Stud

Application: An apparatus bushing having a cavity for insertion of connector component, such as a bushing insert. Bushing well designed to fit in a 2.31-inch hole.

Stock Number:
686435

BUSHING WELL, 15-inch Shank

Application: An apparatus bushing having a cavity for insertion of connector component, such as a bushing insert.

Stock Number:
686437

BUSHING INSERT

Application: A connector component intended for insertion into a bushing well designed for use with another connector component, such as an elbow.

Stock Number:
686430

FEED-THRU BUSHING INSERT

Application: An accessory device with two electrically interconnected bushing interfaces that can be installed into a bushing well.

Stock Number:
686726

ACCESSORIES, BUSHINGS, SEPARABLE CONNECTOR (ELBOW), 200 A, 125 kV BIL, DEADBREAK

General Application: The accessories on this page are intended to be used in conjunction with 200 A, 125 kV BIL, deadbreak separable connector (elbow) kits, Material Standard 6864.15 to construct complete cable connector systems. Because of high fault duty, connectors rated 200 A continuous are not appropriate for network systems. Network systems should be constructed with connectors rated 600 A (or 900 A) continuous.
SCL Matl. Std. reference for this page: 6864.17
All Stock Units: EA

GROUNDING PARKING BUSHING, 151PS

Application: An accessory device designed to electrically ground and mechanically seal a de-energized power cable terminated with an elbow and to be installed into a type 151PS parking stand.

Stock Number: 686432

GROUNDING PARKING BUSHING, 160PS

Application: An accessory device designed to electrically ground and mechanically seal a de-energized power cable terminated with an elbow and to be installed into a type 160PS parking stand.

Stock Number: 686463

INSULATED PARKING BUSHING, 151PS

Application: An accessory device designed to electrically insulate, electrically shield, and mechanically seal a power cable terminated with an elbow and to be installed into a type 151PS parking stand.

Stock Number: 686458

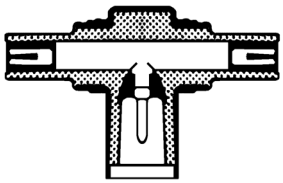
INSULATED PARKING BUSHING, 160PS

Application: An accessory device designed to electrically insulate, electrically shield, and mechanically seal a power cable terminated with an elbow and to be installed into a type 160PS parking stand.

Stock Number: 686462

T-SPLICE

Application: A receptacle connector component for connecting a power cable to two in-line bushing interfaces, so designed that the axes of the cable and bushing interfaces are perpendicular. Hold down bails are required, but not included.



Stock Number: 686420

ACCESSORIES, BAILS, SEPARABLE CONNECTOR (ELBOW), 200 A, 125 kV BIL, DEADBREAK

General Application: The accessories on this page are intended to be used in conjunction with 200 A, 125 kV BIL, deadbreak separable connector (elbow) kits, Material Standard 6864.15 to construct complete cable connector systems. Because of high fault duty, connectors rated 200 A continuous are not appropriate for network systems. Network systems should be constructed with connectors rated 600 A (or 900 A) continuous.
SCL Matl. Std. reference for this page: 6864.17
All Stock Units: EA

BAIL, special purpose, "T" connector hold down assembly

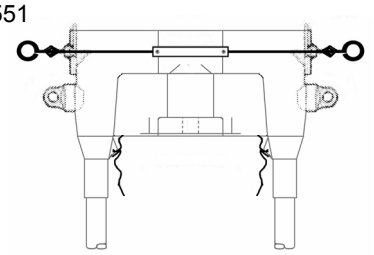
Application: Hold down "T" connector to apparatus.

Stock Number: 686560

BAILING ASSEMBLY CONNECTORS, special purpose, dual elbow hold down assembly

Application: Hold down two elbows on inline junction and/or "T" connector. To be used in conjunction with hold down bails provided with elbows.

Stock Number: 686551



BAIL, special purpose, deadend plug hold down assembly

Application: Hold down deadend plug inside "T" connector.

Stock Number: 686561

BAIL, special purpose, elbow hold down assembly

Application: Hold down deadbreak elbow on J-box or transformer bushing.

Stock Number: 686562

BAIL, special purpose, insulating cap hold down assembly

Application: Hold down insulating cap, Stock Number 686411.

Stock Number: 686563

HEAT SHRINK SPLICE KIT, STRAIGHT, 110 KV BIL, TYCO

HEAT SHRINK SPLICE KIT, STRAIGHT, 110 kV , BIL, Tyco

Description: Tyco, 110 kV BIL, straight, heat shrink cable splice kits. Cable splices are also known as cable joints.

Application: Heat shrink splices are used to permanently join two like - sized conductors, TRXLPE or EPR insulated, tape or flat strap shielded, medium voltage cable ends. The current and temperature rating of a heat shrink splice is equal to or greater than that of the cable for which it is designed. Heat shrink splices rated 110 kV BIL are intended for use on Seattle City Light's 13.8 kV, 3-wire, delta network system.

Heat shrink kits contain everything that is needed to make up a splice, except the connector. Refer to Construction Standard 0535.11 for selecting the appropriate compression connector for a given cable.

SCL Matl. Std.: 6873.11

Stock Unit: EA

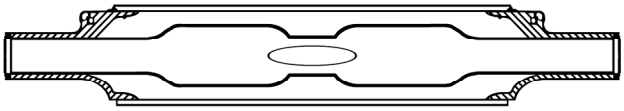
Stock Number	City Light Application, AWG/kcmil
013055	#1 - 2/0
013056	350 - 500
013057	750 - 1000

UNDERGROUND MATERIAL - SPLICES, 26 kV URD SYSTEM

1/0 SOLID AND #1; 2/C, XLP MODULAR SPLICE AND REJACKETING KITS

Description: Connectors are included in splice kits. Splices are 25 kV, 150 kV BIL.
SCL Matl. Std.: None
Stock Unit: EA

typical



Stock No.	City Light Cable Range	Voltage, kV	BIL	Description	Approved Manufacturer
687160	1/0 Sol. & #1, 2/C XLP	25	150	Splice Kit	3M #5451A-CI-21-840
687163♦	1/0 Sol. & #1, 2/C XLP	25	150	Long Repair Splice Kit	3M #5451R-CIR-21-840
012133	Used with 687160	–	–	Rejacketing Kit♠	3M SJ-2SS
012134	Used with 687163	–	–	Rejacketing Kit for Long Splice♠	3M SJ-2SSR

♦ Long repair splice with 6″ connector.
♠ For use with 1/0 28 kV jacketed concentric neutral cable.

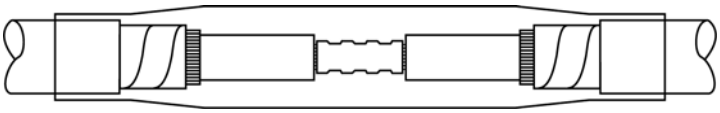
COLD SHINK SPLICE KITS

Description: Connectors are NOT included in splice kits.
SCL Matl. Std.: 6871.4
Stock Unit: EA

typical

Stock No.	Voltage, kV	BIL	Cable Insulation Diameter, in.	Manufacturer Labeled Cable Range, kcmil	City Light Cable Range, Flat Strap or Drain Wire	Connector Stock No.
012131	25	150	1.07 to 1.70	250 to 750	350 Al 28 kV CN	650609
					500 28 kV	677667
012132	25	150	1.24 to 2.07	500 to 1000	750 28 kV	687630 or 677371
					1000 28 kV	677373

UNDERGROUND MATERIAL – SPLICES, 15-KV AND 25-KV



HEAT SHRINK STRAIGHT SPLICES

Per City Light Material Standard 6871.3

Note: For 15 kV Heat Shrink Straight Splices, refer to Stock Catalog 70-16.

Stock No.	City Light Cable Range (XLP)	Mfr's Labeled Cable Range	Inside Diameter	Voltage (kV)	BIL	Connectors	Notes	Usage
687506	#1 – 1/02/C	#1 – 250	0.90 – 1.20	25	150	650631	Repair (X – Long)	URD
687507	#1 – 1/0 2/C	#1 – 250	0.90 – 1.20	25	150	650631	Normal Length	URD
687508	350 2/C – 350 2/C	350 – 500	1.20 – 1.50	25	150	650637	Conc Neutral	URD
687510	#1 – #1	#1 – 250	0.90 – 1.20	25	150	per 6773.8	Cu Tape	Network
687514	350♦▼ – 500♦▼	350 – 500	1.20 – 1.50	25	150	Cu per 6774.6	Wire or Tape Shield	URD & Network
687516	750♣☼ – 1000♣☼	750 – 1000	1.50 – 1.80	25	150	or Al per 6774.7	Wire or Tape Shield	URD
687520	1000 – 1000	–	1.69 – 2.13	69for35★	250	included	Tape Shield	Substation

♣ Use copper connector Stock No. 677351 for 1000 kcmil cable
★ 69 kV for 35 kV cable. For Salmon Bay Steel 1000 kcmil 35 kV (420 mil) cables in South Sub.
♦ See page 70-20 for Stock No. 687554 shim kit necessary when splicing #1 to 350 or 500 kcmil cables with this splice.
☼ See page 70-21 for Stock No. 687553 shim kit necessary when splicing 350 or 500 kcmil to 750.
▼ Also for Sumitomo 750 kcmil compact sector 15 kV cable.

HEAT SHRINK TRANSITION SPLICES

Per City Light Material Standard 6871.3

Stock No.	City Light Cable Range	Mfr's Labeled Cable Range	Inside Dia., XLP	Inside Dia., PILC	Voltage (kV)	BIL	Connectors	Notes
687130	#1✣ – 3/0✣	#4 – 4/0	0.65 – 1.05	0.60 – 1.00	15	110	3 Core Transit	–
687132	350✣ – 3/0✣	250 – 350	0.90 – 1.30	0.85 – 1.10	15	110	3 Core Transit	–
687134	500♦♦ – 500♦♦	500 – 750	1.10 – 1.60	1.05 – 1.50	15	110	3 Core Transit	–
687136	#1♦♦ – 350♦♦	#1 – 350	0.90 – 1.25	0.85 – 1.20	25	150	See below	Network
687138	350 XLP – 4/0 PILC	#1 – 250	0.90 – 1.25	0.85 – 1.20	25	150	See below	Network
687140	350♦♦ – 500♦♦	350 – 600	1.15 – 1.55	1.15 – 1.40	25	150	See below	Network

✣ For XLP to PILC Cables	
XLP	**PILC**
#1 to 350	#4 to 3/0
350-500 kcmil	3/0-300 kcmil
500 kcmil	500 kcmil

♦♦ For XLP to PILC Trifurcating Transition, 1/C to 3C		
XLP	**PILC**	**With Reducing Connector**
#1-1/0	#1-4/0	HOMAC#SAC4/OR2&#SAC2
350	4/0	HOMAC #SAC350R4/0
350	500	HOMAC #SAC500R350

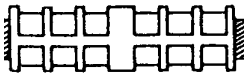
HEAT SHRINK CABLE END SEALS

Per City Light Material Standard 6871.3

Stock No.	City Light Cable Range	Mfr's Labeled Cable Range	Inside Dia.	Voltage (kV)	BIL	Connectors
686611	#1 XLP – 3/0 XLP	#4 – 4/0	0.65 – 1.05	15	110	DE – 1/C
686612	350 XLP – 500 XLP	250 – 350	0.90 – 1.30	15	110	DE – 1/C
686613	750 XLP – 750 XLP	500 – 750	1.10 – 1.60	15	110	DE – 1/C
686616	#4 PILC – 3/0 PILC	#4 – 4/0	0.60 – 1.00	15	110	DE – 3/C

UNDERGROUND MATERIAL - SPLICE CONNECTORS AND CLOTH

CONNECTORS, Aluminum, Straight Splice



Application: Suitable for heat shrink or cold shrink primary splices.
For aluminum to aluminum or aluminum to copper conductors.

Stock No.	Stock Unit	City Light Cable Range	Approved Manufacturer and Catalog No.	Matl. Std.
687624	EA	750 Al	Elastimold, 650SC-0360	none
687630*	EA	750 CCR, Cu	See Stock Catalog page 65-17	none
687622	EA	500	Elastimold, 650SC-0320	none
687619	EA	350 Stranded	Elastimold, 650SC-0300	none
687620	EA	300 Compressed	Elastimold, 650SC-0290	none

* Stock No. 687630 also shown on page 65-17. This connector is tinned copper.

SPLICE, 600 Volt, Oil Block

Application: For 500 kcmil PILC to 500 kcmil poly, copper.

Order: Minimum order quantity is 75.

Stock No.	Stock Unit	Approved Manufacturer and Catalog No.	Matl. Std.
687530	EA	Raychem, LVS-181-SCL	none

CLOTH, Splice Protection

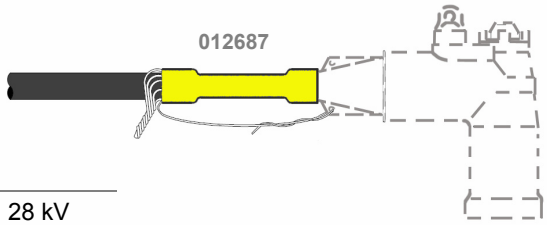
Application: Temporary covering for splices.

Stock No.	Stock Unit	Approved Manufacturer and Catalog No.	Matl. Std.
580735E	FT	No-Ox-Id, 4	none

CABLE SEALING AND SHIELD ADAPTER KITS

CABLE ACCESSORY SEALING KIT for Jacketed, Round Wire Concentric Neutral Cable

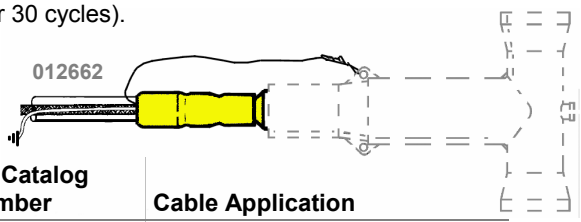
Description: Kit includes cold shrink sealing tube, mastic sealing strips, and printed instructions.
Application: Kit provides a reliable means of sealing the jacket end of round wire concentric neutral power cables where elbows or other cable accessories are installed.
SCL Matl. Std.: none
SCL Std. File: 6872.00
Stock Unit: EA



Stock No.	Application Range Diameter, in.	3M Catalog Number	Cable Application
012687	0.95 to 1.94	8452	#2 to 2/0 AWG, 28 kV

SHIELD ADAPTER KITS for Flat Strap, Tape, or Drain Wire Shielded Cable

Description: Kits include cold shrink sealing tube, mastic sealing strips, printed instructions, a constant force spring, semi-con tape, and ground braid with bleed wire. Standard adapter kits contain an L-shaped (single tail) braid and a 5/8″ wide by 3/4″ diameter constant force spring. High fault duty adapter kits contain a U-shaped (double tail) braid and a 3/4″ wide by 1-1/2″ diameter constant force spring.
Application: Shield adapter kits are designed to accommodate the grounding of accessories installed on conventional tape, drain wire, and flat strap shielded power cable. Adapter kits provide cable jacket-to-accessory sealing and grounding. Standard shield adapter kits have a ground fault current capacity limit of about 3,000 A (for 30 cycles). High fault duty shield adapter kits have a ground fault current capacity limit of 12,000 A (for 30 cycles).
SCL Matl. Std.: none
SCL Std. File: 6872.00
Stock Unit: EA



Stock No.	Description	Application Range Diameter, in.	3M Catalog Number	Cable Application
012662	standard fault duty	0.83 to 1.64	8460	#2 AWG to 250 kcmil, 15 kV
				#2 AWG to 250 kcmil, 28 kV
				#8 AWG, 27 kV, Kerite
686512	high fault duty	1.27 to 2.17	8461-HSG-W	350 to 1000 kcmil, 15 kV
				350 to 750 kcmil, 28 kV

CONSTANT FORCE SPRINGS

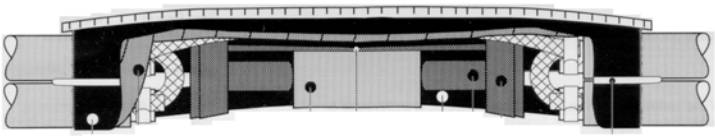
Description: Constant force springs (also known as clock springs) are manufactured special by the 3M Company.
Application: Constant force springs are available as stock items in the event the springs that are included in adapter kits are lost, damaged, or the wrong size.
SCL Matl. Std.: none
SCL Std. File: 6872.00
Stock Unit: EA

typical

Stock No.	Width, in.	Outside Diameter, in.	Application Range, Cable Jacket Diameter, in.	3M Catalog Number	Cable Application
686514	5/8	3/4	0.80 to 1.50	CFS-.80/1.50	#1 to 3/0 AWG, 15 kV
					#8 AWG, 27 kV, Kerite
686516	5/8	1	1.00 to 2.20	CFS-1.00/2.20	350 to 500 kcmil, 28 kV
					350 to 750 kcmil, 15 kV
012127	5/8	1-1/2	1.50 to 3.00	CFS-1.50/3.00	750 to 1000 kcmil, 28 kV
					1000 kcmil, 15 kV

UNDERGROUND MATERIAL - SPLICES, 15-kV

HEATSHRINK, 3 OR 4 WAY WYE SPLICE
15 kV, 110 kV BIL
SCL Matl. Std. 6871.3
See Stock Catalog page 65-18 for connectors.
See entry below for shim kits.
Stock Unit: EA



Stock No.	Item	Main Cable Range	Tap Cable Range	Main Dia. Min-Max, In.	Tap Dia. Min-Max, In.
687540	3 way Splice	#2 to 350▲	#2 to 350▲	0.65 to 1.05	0.65 to 1.05
687545	♣4 way Mod. kit	#2 to 350▲	#2 to 350▲	0.65 to 1.05	0.65 to 1.05
687541	3 way Splice	250 – 750	#2 – 750	0.95 to 1.45	0.65 to 1.45
687546	♣4 way Mod. kit	250 – 750	#2 – 750	0.95 to 1.45	0.65 to 1.45
011909	3 way Splice	750 – 1000	#1 – 250	1.05 to 1.70	0.65 to 1.05

♣ Modification Kits are used when making a 4-way splice.
▲ The diameter over the insulation must be less than 1.05".

SHIM KITS for 3 or 4 Way Wye Splices and Straight Splices
Shim Kits are used to increase the insulation diameter of a cable, allowing it to fit in the use range of a standard splice kit.
SCL Matl. Std. 6871.3
Stock Unit: EA

Stock No.	Item	Usage
687551	Shim Kit "Shim 1"	For 3/0 as the smaller main leg (250 to 750 kcmil) in HVSY 1523 wye splice, Stock No. 687541.
687553	Shim Kit "Shim 3"	For 500 kcmil Cu to 750 kcmil Al in HVS 2523S straight splice, Stock No. 687516.
687554	Shim Kit "Shim 4"	For cable sizes smaller than 350 kcmil (350 to 500 kcmil) in straight splice, Stock No. 687514.

See Raychem catalog, page 48 for other applications.

UNDERGROUND MATERIAL – TERMINATORS

COLD SHRINK TERMINATORS

Description: All terminations are rated 35 kV. Refer to SCL Construction Guideline U5-26.20 for selecting appropriate Stock No. for a given cable size.

SCL Matl. Std.: 6865.10

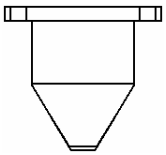
Stock No.	Insulation OD Range, in	Stock Unit
686531	0.64-0.90	EA
686532	0.83-1.53	EA
012125	1.05-1.80	EA
012126	1.53-2.32	EA

WIPING SLEEVE TERMINATORS

Description: PATR 1701. Centerline 4-3/4″ bolt circle, 6 each, 7/16″ holes.

SCL Matl. Std.: none

Stock Unit: EA



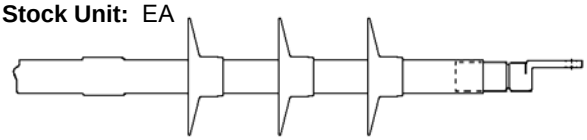
Stock No.	G&W Catalog No.
686240	WS 41

HEAT SHRINK TERMINATORS

Description: Connector not included, see Material Standard 6772.00 for connector.

SCL Matl. Std.: 6865.10

Stock Unit: EA



Stock No.	Insulation OD Range, in	kV
686521	0.80 - 1.25	5
686522	1.10 - 1.65	15
686526	0.85 - 1.40	25
686527	1.25 - 1.80	25
686528	1.10 - 1.70	25
686536	1.60 - 2.45	35▲
686538	1.97 - 2.56	35‡

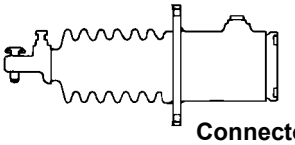
▲ For Birmingham Steel line.

‡ 46 kV termination for 1000 kcmil 35 kV cable at South Sub for Birmingham Steel service. Old Raychem catalog number HVT-4604 is OK to use.

UNDERGROUND MATERIAL - TERMINATIONS

TERMINATIONS, G & W SLIP-ON

Table 1

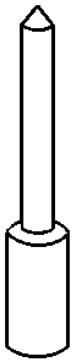


Stock No.	Voltage, kV	BIL	Cable Range	Mounting	Connector Included	Accessory Kit Included	Aerial Lug Included and Kit Cat. No.	G&W Termination Kit Cat. No.
686482	27	150	#1 to 4/O Al-Cu	5-7/8" Flange	#1 A	K-2	#6-4/0 eye bolt	PATR 1802
686461	27	150	350 to 750 Al-Cu	6-5/8" Flange	none	K-3	#2-500 Al (A5076-190A)	PATR 1873
686480	27	150	#1 to 4/O Al-Cu	Pole	#1 Al	K-2	#6-4/0 eye bolt	PATR 1802
686484	27	150	350 to 750 Cu & 350 to 500 Al	Pole	none	none	#2-500 Al (A5076-190A)	PATR 1872
686479	13.8	110	#1 to 4/O Al-Cu	4-3/4" Flange	#1 Cu	K-1	#6-4/0 eye bolt	PATR 1701
686471	13.8	110	350 to 750 Cu & 350 to 500 Al	5-7/8" Flange	none	K-2	#2-500 Cu (A5076-190)	PATR 1772

CONNECTORS FOR G & W SLIP-ON TERMINATORS

Table 2

Stock No.	Cable Size	G & W Cat.No.	Burndy Die	T & B Die	Use with G & W Terminations
686103	#1 Cu	A5087-24	U1CRT	37	PAT 1802, PATR 1701, or PATR 1802
686113	#1 Al	A5088-24	243	50	
686106	3/0 Cu	A5087-27	U27RT	50	
686125	350 Comp Cu	A5087-5	U31RT	71	PAT 1872, PATR 1873, or PATR 1772
686146	350 Comp Al	A5088-5	U31RT	87	
686138	350 Str. Al	A5088-4	U31ART	87	
686128	500 Cu.	A5087-10	U34RT	87	
686130	750 Str. Cu	A5087-15	U3ART	106	
686143	750 Str Al	A5088-15	C39ART	125	
686145	750 Comp Al	A5088-16	C39ART	125	



ACCESSORY KITS

Accessory kits are for:
1. Grounding drain wire or copper tape cable shields or
2. Centering concentric neutral type cables in terminator.

Table 3

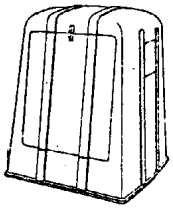
Stock No.	Cable Jacket O.D., In. (Not Insulated O.D.)	G & W Catalog No.
686150	0.813 to 1.187	K-1
686152	0.937 to 1.437	K-2 (250 kcmil max.)
686154	1.187 to 1.625	K-2 (500-750 kcmil max.)
686156	1.500 to 2.187	K-3

Notes for G & W Terminators:

1. The wire range for the terminator is greater than what is indicated here however, City Light stocks connectors only in the range indicated.
2. If no connector is indicated, or if a different wire size is required, select the proper connector from Table 2.
3. If no accessory kit is included, or a kit for a different cable jacket O.D. is required, select the proper accessory kit from Table 3.
4. Flange mount terminators have 6-7/16" bolt holes. The bolt circle is listed before the word "Flange".

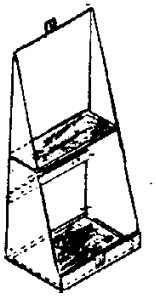
THE NEXT PAGE (70-24) RESERVED FOR FUTURE USE.

UNDERGROUND MATERIAL
PRIMARY METERING, TRANSFORMER AND J-BOX ENCLOSURES AND ALLEY CANS



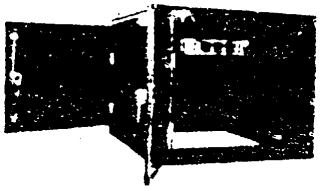
ENCLOSURE, Transformer, Fiberglass
For installation of 26 kV distribution transformers on existing 4 kV pads.
Stock Unit: EA

Stock No.	Dimensions	Manufacturer and Cat. No.
720475	42” x 42” x 54” High	Western Power Products 42-2-EB



ENCLOSURE, Junction Box, Stainless Steel
Per CL Matl. Std. 7205.1 (Stock No. 682890 only)
Stock Unit: EA

Stock No.	Dimensions	Application	Mfgr. & Cat. No.
682890	22” x 36” x 36” High	One Single-Phase 26 kV J-Box	–
682899	44” x 60” x 35” High	Three 3Ø 26 kV J-Boxes	Shallbetter SSED-315/2532858NJM-SS

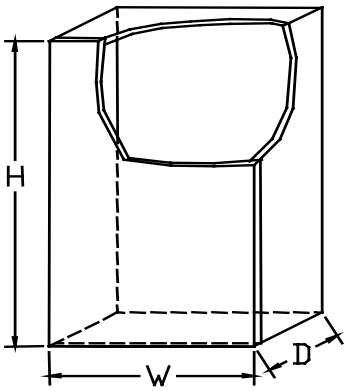


PRIMARY METERING CABINET, Pad Mount
27 kV, with 200 Ampere Bushing Wells
Per CL Matl. Std. 6828.8
See U10-5.2.1 for pad and grounding.
Stock Unit: EA

Stock No.	Dimensions
682893	66” W x 60” D x 66” H

CAN, Alley
Weatherproof and Galvanized
Shop Made per CL Drawing B-909
Stock Unit: EA

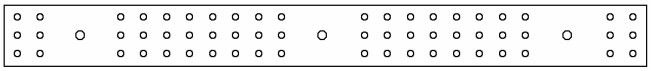
Can and Lid		Replacement Cover Only	
Stock No.	Dimensions H x W x D	Stock No.	Dimensions H x W
686855	12” x 12” x 8”	012271	12” x 12”
686860	24” x 16” x 8”	012272	24” x 16”
686865	30” x 16” x 10”	012273	30” x 16”
686870	36” x 18” x 12”	012274	36” x 18”



UNDERGROUND MATERIAL - NETWORK SECONDARY BUS MATERIALS

BUS BARS, Copper, Vault Type

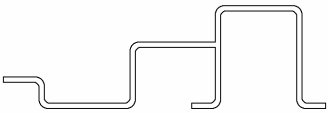
Description: 1/4-inch thick.
SCL Matl. Std.: 6303.00
Stock Unit: EA



Stock No.	Size, in.
679757	36 x 4
679760	48 x 4
679762	28 x 4
679763	51 x 6
679764	62-1/2 x 6

RACK, Secondary Bus Insulator

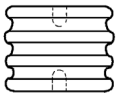
SCL Matl. Std.: 6968.1
Stock Unit: EA



Stock No.	Dimensions, in.	Working Space
696832	14-1/2 x 29-1/2	normal
696836	9-1/2 x 29-1/2	limited

INSULATOR, Bus Bar Support

Application: For underground vaults.
Stock Unit: EA



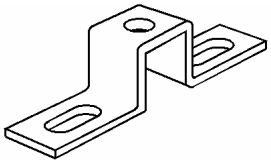
680856

690880

Stock No.	Application	Matl. Std.
690856	phase bus	6908.1
690880	neutral bus	6908.0

INSULATOR BASE, Neutral Bus Support

Application: For underground vaults.
SCL Matl. Std.: 6908.2
Stock Unit: EA
Stock No.: 690882



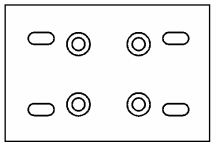
BRACKET, Insulator, Aluminum

Application: For integral web bus, alloy A356-T6.
SCL Matl. Std.: 6808.11
Stock Unit: EA

Stock No.	For Use with Bus Size, in.	Size No.
690862	8 x 8	2

PLATE, Insulator

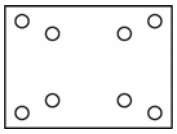
Application: For integral web bus.
SCL Matl. Std.: 6808.7
Stock Unit: EA



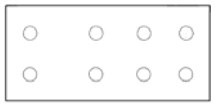
Stock No.	For Use with Bus Size, in.	Size, in.
680874	8 x 8	12 x 8 x 3/4

UNDERGROUND MATERIAL
NETWORK SECONDARY BUS MATERIALS

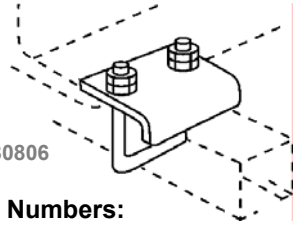
PLATE, Mounting, Insulator to Rail
Application: For integral web bus.
Size: 9 x 7-1/4 x 1/2
Stock No.: 680802
Per SCL Matl. Std.: 6808.9
Stock Unit: EA


680802

PLATE, Bus Tie Switch Connector Plate
Description: Shop made.
Stock No.: 010467
Per SCL Matl. Std.: 6808.12
Stock Unit: EA


010467

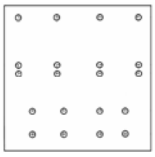
CLAMP, Beam, for 1-5/8 Wide Channel
Application: To mount IWCB, C. T.'s and to rack cable.
Stock No.: 680806
Per SCL Matl. Std.: none
Stock Unit: EA


680806

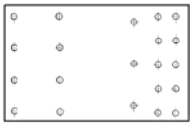
Manufacturers and Catalog Numbers:

Power Strut	Super Strut	Unistrut	Wesanco
PS2652	U501	P2785	W-5709 E/G

PLATE, Connector, 8 and 6 IWCB to Cable
Stock No.: 680860
Per SCL Matl. Std.: 6808.6
Stock Unit: EA


680860

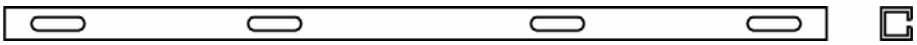
PLATE, Connector, CT Mounting
Stock No.: 680885
Per SCL Matl. Std.: 6808.8
Stock Unit: EA


680885

TIE, Anchor to Rail, For IWCB Bus
Stock No.: 680800
Per SCL Matl. Std.: 6808.9
Stock Unit: EA

680800

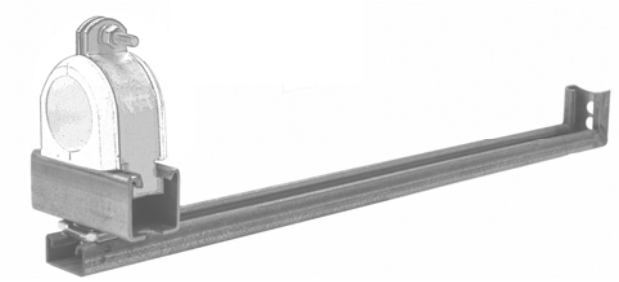
RAIL, Tie to Mounting Plate, For IWCB Bus
Stock No. 680801
Per SCL Matl. Std.: 6808.9
Stock Unit: EA


680801

CABLE SUPPORT MATERIALS - NETWORK

BRACKET ASSEMBLY, Vertical Cable Support

Description: Custom fabricated steel bracket assembly. Non-ceramic cable support assembly (consisting of a stainless steel clamp set and a thermoplastic cushion) is issued as a separate item.
Application: To provide a means to secure heavy primary cable to network transformers with G&W Electric Co. type PATR terminators. Refer to Seattle City Light Construction Guideline NSP-270.
SCL Material Standard: 6880.00
Stock Unit: EA
Stock Number: 012468



UNDERGROUND MATERIAL, SUMP PUMPS AND ACCESSORIES

SUMP PUMPS, Submersible, Cast Iron

SCL Matl. Std.: 7392.8
Stock Unit: EA

Stock No.	Horse Power	Discharge Size, in	Fuse Notes
739290	0.5	2	Use 20 amp fuse # 683158

SUMP PUMP ACCESSORIES

SCL Matl. Std.: none

Stock No	Stock Unit	Description
739404	EA	CLAMP, 1-1/16″ - 2″ stainless steel, for hose and pipe - Tridon # H-24
739406	EA	CLAMP, 2-1/16″ to 3″ stainless steel, for 1-1/4″ and 2″ sump pump discharge, Tridon HSS 40
739407	FT	HOSE, vinyl, 2.165″ I.D., 0.0669 wall thickness, Vinylflow VF 200, for 1-1/4″ pump
739408	FT	HOSE, vinyl, 2.598″ I.D., 0.0787 wall thickness, Vinylflow VF 250, for 2″ pump
739409	FT	HOSE, PVC, 1-1/4″ flexible. For sump discharge. Ryan-Herco Cat. No. 1018.012
739410	FT	HOSE, PVC, 2″ flexible. For sump discharge. Ryan-Herco Cat. No. 1018.020
739405	EA	PRESSURE SWITCH, for 2″ discharge pump, Hydromatic 14974 – 001 – 5

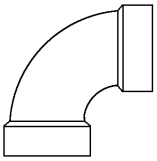
Brick, Concrete, 2″ x 4″ x 8″

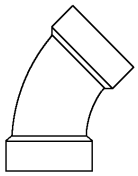
Description: Used to raise sump pumps off floor and to adjust elevation of hatch frames on vaults.
SCL Matl. Std.: none
Stock Unit: EA
Stock No: 720130

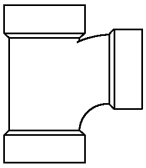
UNDERGROUND MATERIAL
SUMP PUMP ACCESSORIES

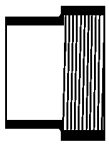
PIPE FITTINGS, DWV, SCH. 40 PVC
Used for pump discharge pipes in vaults
Per C. L. Spec. 7100.0
Stock Unit: EA

Stock No.	Type	Size	Joint
710101	Elbow 90	1-1/4" IPS	S x S
710116	Elbow 90	2" IPS	S x S
710117	Elbow 90, Long turn	2" IPS	S x S
710100	Elbow 45	1-1/4" IPS	S x S
710114	Elbow 45	2" IPS	S x S
710118	TEE, Sanitary	1-1/4" IPS	S x S
710110	TEE, Sanitary	2" IPS	S x S
710127	Adapter **and** Plug, Cleanout	1-1/4" IPS	FIPT x S MIPT
710128	Adapter, Cleanout	2" IPS	FIPT x S
710123	Plug, Cleanout	2" IPS	MIPT
710112	Adapter, M	2" IPS	MIPT x S
710122	TEE, Cleanout	2"	S x FIPT x S
710124	Bushing, Flush Reducer	2" x 1-1/4"	S x S
710129	Bushing, Flush Reducer	1-1/2" x 1-1/4"	S x S
714079	Valve, Check, Plastic Flapper, PVC	1-1/4"	S x S
714077	Valve, Check, Union Type, Plastic Flapper, PVC	2"	S x S

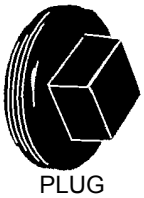




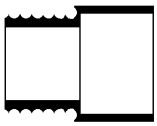


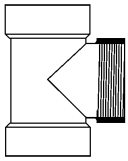


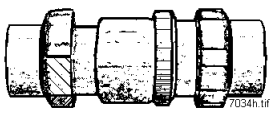
ADAPTER



PLUG







Definitions

DWV = Drain, waste & vent (plumbing) fittings
IPS = Iron pipe size
S = Slip fitting (for gluing)
FIPT = Female iron pipe thread
MIPT = Male iron pipe thread

THE NEXT PAGE (70-35) RESERVED FOR FUTURE USE.

UNDERGROUND MATERIAL, FIRE PROTECTION CONTROL CABINET

CABINET, Fire Protection Control - For spot networks
Complete, assembled fire protection control cabinet including the components shown below.
Shop made per C. L. Dwg. DU-770
Stock Unit: EA
Stock No. 682897

FIRE PROTECTION SYSTEM COMPONENTS
Stock Unit: EA, ΔExcept for 682630, which is FT

Stock No.	Item	Description	Approved Mfgr. (NO Substitutions)
682601	Enclosure	NEMA Type 4, 30"H x 24"W x 10"D, ANSI gray	
682602	Panel	27" x 21" white. (For Stk. No. 682601)	Hoffman A30P24 or equal
682603	Socket assy.	light fixture	Crouse Hind Vaportight VXH15
682604	Capacitor	Poly film, radial lead, 400V	Mepco C-280 MAF/A 100K
682605	Resistor	1 Megohm, 1 Watt Carbon Comp. or	metal film
682606	Block, Fuse	Barrier type, 1 to 30 Ampere	Bussman 2610
682607	Fuse, power	3 Amp, 600V CL K5	Bussman N0S3, Gould-Shawmut OTS3
682609	Fuse, power	10 Amp, 600V CL K5	Bussman N0S10, Gould-Shawmut OTS10
682610	Relay	Type HEA	GE 12HEA61C238X2
682611	Bracket assy.	HEA assy. Half is 6-1/2" x 4-3/4"; Half is 5" x 3-1/4" x 7/8"	Mounting from SS hinge stock
682612	Latch assy.	HEA bracket mtg., shear steel to 2" x 8-1/2". 90 degree bend to 7-3/8" x 1-1/8". Shear hinge stock to 2"	Per C. L. Dwg. DU769, Rev. 4 of 3-6-91
682614	Terminal block	6 position	Cinch Jones 6-141
682615	Test Switch assy	ldbl w/4 single pole switches, no barriers. 9-1/2" base assy, front wired w/ cover	
682618	Resistor	12 Ohm, 12 Watt wirewound	Ohmite B12-J12R
682619	Rectifier, silicon	60 Amp R6	Diodinc 6A10
682625	Receptacle. indicator lamp	Oil tight w/ solder terminals 1-1/16" hole mtg. for stovepipe lens	
Δ682630 (per FT)	Wire, flame resistant	#14 AWG, 41 strand, type SRML, 600 V braided glass insul., black	
682631	Cover, indicator lamp	Oil tight, stove pipe style, clear backfrosted lens	Dialight 125-117-403
682633	Adapter	Light fixture mtg. w/ gasket	Hubbell VAP
682637	Terminal mtg. panel	Shear steel to 27" x 3/4", locate & slot (2) 3/8" x 11 holes, 90 degree bend to 8" x 1-3/4".	
682638	Globe, clear	for 150 watt lamp	Hubbell VG-15
682639	Guard	Light fixture, for 150 W lamp	Hubbell VGC-15
682640	Light fixture	Waterproof, for 150 W lamp	Carlon E962E
682641	Globe	Clear Glass, for waterproof light fixture, for 150 W lamp	Carlon E960GLB
682646	Capacitor. AC-DC	30 μF, 330 VAC 440 VAC dual rated class style P, 4-3/4" Al.	GE 97F5023
682647	Bracket	Capacitor mounting, 4-3/4", Al.	GE 295A6016P3
765845	Heat Sensor	Hermetically sealed, for 1/2" conduit knockout, 225 degrees F closing	Fenwal " Detect-A-fire" 27121-0-225

See page 30-9 for 240/480 V Pri. 120/240 V Sec. 250 VA transformer to be field installed if vault service voltage is 277/480. (Stock No. 682608)

FAULT INDICATORS AND CATHODIC PROTECTION

OVERHEAD FAULT INDICATORS

Description: Fixed trip, single-phase overhead fault indicator. Unit resets itself after 4 hours. Units may also be manually reset with test/reset magnet, stock number 013006.

Application: Fault indicators are intended for semi-permanent installation on 26.4 kV, three-phase, bare, overhead, distribution conductors for the purpose of aiding crews with locating faults.

Fault indicators are intended for installation at the following locations: mid-point of the feeder near switches, feeder “getaways,” underground dips, un-fused laterals and 3/4 point on long feeders.

Fault indicators may be installed alone on one conductor or in sets of three on a circuit.

SCL Matl. Std.: 6850.00
Stock Unit: EA
Stock Number: 765872

TEST/RESET MAGNET

Application: Used on the end of a hot stick to manually test or reset overhead fault indicator, Stock Number 765872.

SCL Matl. Std.: 6850.00
Stock Unit: EA
Stock Number: 013006

CATHODIC PROTECTION UNITS

Application: Padmount transformers and switches.

SCL Matl. Std.: none
Stock Unit: EA

Stock Number	Description	Manufacturer and Catalog No.
688001	120 VAC control unit and 3 anodes	Fargo CM1K120A
688005	277 VAC control unit and 3 anodes	Fargo CM1K277A

HAZELTINE NETWORK REPORTING SYSTEM COMPONENTS

Stock No.	Stock Unit	Item	Description	Manufacturer's Catalog No.
013087	KT	NETWORK PROTECTOR MASTER RELAY KIT	For Westinghouse style CM22 and Richards type 313NP; includes communication interface cable	DigitalGrid DG-6001 KT-1
687701	EA	TRANSMITTER, "Type O3", RMS, microprocessor programmable	For installation **outside** the network protector	BAE 2778
012392	EA	SWITCH, 15A, roller lever	For de-energizing transmitter	Honeywell Micro Switch BZ-2RW82-A2
687717	EA	INTERFACE cable harness for 687701 ("Type O3") transmitter	Connects **outside** mounted transmitter to network protector	BAE 2801
012167	EA	AUXILIARY CABLE HARNESS	For external data inputs	DigitalGrid DG-210
687720	EA	SENSOR, load current transformer	3 required per network transformer	BAE 2358
012498	KT	CURRENT TRANSFORMER KIT	Includes 3 current transformers	DigitalGrid DG-400KT
012122	EA	SENSOR, temperature, analog	Monitors temperatures in vaults and transformers	DigitalGrid DG-500
012473	EA	SENSOR, fluid	Detects the presence of water or oil in underground vaults	Advanced Control Technology S05010BBB0T
687725	EA	RACK, support for "Type O1" and "Type O2" transmitters	City Light shop made	SCL Matl. Std. 7206.3
687730	EA	TRANSFORMER, auto	277/125 V, 100 VA 1 phase (also see p 30-9)	SCL Matl. Std. 6877.3
687745♥	EA	PROGRAM BOARD, red	45 kHz Use with Stock No. 687710 transmitter	BAE 125738 (RED)
687750♥	EA	PROGRAM BOARD, blue	50 kHz Use with Stock No. 687710 transmitter	BAE 125738 (BLUE)
687762♥	EA	PROGRAM BOARD, yellow	62 kHz Use with Stock No. 687710 transmitter	BAE 125738 (YELLOW)
687700	EA	TRANSMITTER, "Type O2", RMS	Microprocessor programmable; for installation **inside** the network protector	BAE 2777
012495	EA	TRANSMITTER	Provides network protector status info	DigitalGrid DG-2000
012496	KT	TRANSMITTER KIT for GE style network protectors	Includes Stock No. 012495 (transmitter), 012498 (current transformers), 012499 (mounting hardware kit), and 012167 (aux. cable harness)	DigitalGrid DG-2000KT-1AUX
012497	KT	TRANSMITTER KIT for Westinghouse style network protectors	Includes Stock No. 012495 (transmitter), 012498 (current transformers), 012500 (mounting hardware kit), and 012167 (aux. cable harness)	DigitalGrid DG-2000KT-2AUX
687716	EA	INTERFACE cable harness for 687700 transmitter	Connects **inside** mounted transmitter to network protector	BAE 2802
687726	KT	MOUNTING HARDWARE KIT	For mounting Stock No. 687700 transmitter inside **Cutler-Hammer** network protector	BAE 2788
012500	KT	MOUNTING HARDWARE KIT	For mounting Stock No. 012495 DigitalGrid transmitter inside **Westinghouse** network protector	DigitalGrid DG-020-2
687727	KT	MOUNTING HARDWARE KIT	For mounting Stock No. 687700 transmitter inside **GE** network protector	BAE 2789
012499	KT	MOUNTING HARDWARE KIT	For mounting Stock No. 012495 DigitalGrid transmitter inside **GE** network protector	DigitalGrid DG-020-1

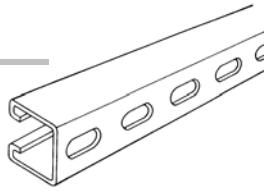
♥ Used only with old model transmitter, Stock No. 687710. Limit purchases to support maintenance of old model 2391 only.

CABLE SUPPORT MATERIALS - UNDERGROUND BRACKETS, RACKS AND HOOKS

RACK, Conduit Support, "Strut" (Channel)

SCL Matl. Std.: none
Stock Unit: FT (10-foot lengths)

723510

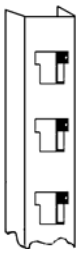


Stock No.	Height x Width, in	Gauge	Finish	Holes, in	Approved Manufacturers: B-Line/ Cooper	Eristrut/ Erico	Superstrut/ T&B	Unistrut/ Tyco	Wesanco
723505	13/32 x 13/16	19	coated steel	without holes	B72-GRN-120	–	–	P7000-GR-10	W-700 GR 10
723506	13/16 x 1-5/8	12	hot dip galv. steel per ASTM A123	without holes	B52-HDG-120	–	B-1200-10-HDG	P3300-HG-10	W-900 HD 10
723510	1-5/8 x 1-5/8	12	hot dip galv. steel per ASTM A123	9/16 x 7/8 or 1-1/8 slots on 2 centers	B22SH-HDG-120	A12H 1000HD	A-1200-HS-10-HDG	P1000 T-HG-10	W-200SS HD 10
723502	1-5/8 x 1-5/8	12	aluminum	9/16 x 7/8 or 1-1/8 slots on 2 centers	B22SH-AL-120	A12H 1000AL	A-1200-HS-10-AL	P1000 T-EA-10	W-200SS AL 10

See page 70-44 for conduit pipe clamps for use with strut.

RACK, Underground Cable

Application: for underground vaults
SCL Matl. Std.: 7216.7
Stock Unit: EA



Stock No.	No. of Holes	Length, in
721662E	8	15
721664E	14	24
721666E	18	30

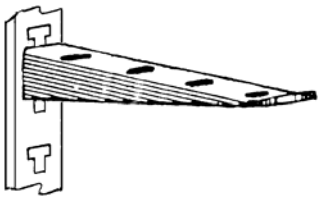
HOOKS, Cable Rack, Steel, Epoxy Paint Finish

Application: for general use
SCL Matl. Std.: none
Stock Unit: EA

Stock No.	Length, in	Approved Manufacturers
720619E	4	Richards SRA-4
720620E	7	Richards SRA-7
720621E	10	Richards SRA-10
720623E	14	Richards SRA-14

HOOKS, Cable Rack, Steel, Galvanized

Application: for general use
SCL Matl. Std.: 7206.2
Stock Unit: EA



Stock No.	Length, in
720625E	4
720626E	7
720629E	10
720631E	14

CABLE SUPPORT MATERIALS – UNDERGROUND

INSULATOR, THERMOPLASTIC, Cable Support Assembly

Description: One-piece, split thermoplastic cushion, stainless steel clamp with stainless steel or silicon-bronze bolt, split ring lock nut, and hex nut. Cushion is UV resistant and flame retardant. Each insulator assembly to be individually packaged in a clear plastic bag.

Application: To provide a means to fasten heavy primary or secondary cable to support brackets. Use Stock Nos. 011961, 011962, 011963, 011964, and 012501 in combination with adapter bracket (Stock No. 012465) to gain one additional degree of freedom.

For a firm grip, cable diameter should be equal to or slightly greater than the minimum inside diameter of the cushion. In some situations, shimming with tape may be required. Go to next size up in insulator assembly if the diameter of the cable is much greater than 1/4-inch over the minimum inside diameter of the cushion. Cable diameters and cushion minimum inside diameters may vary slightly between manufacturers.

SCL Matl. Std.: none

Stock Unit: EA

typical

Stock Number	Typical Cable Applications	ZSI Catalog Number
011961	28 kV, 1/0, 2/C, bare	018CC026S
011962	28 kV, 350 kcmil, 1/C 28 kV, 1/0, 2/C, jacketed	024CC034S
011963	28 kV, 500 kcmil, 1/C	028CC042S
011964	28 kV, 750 kcmil, 1/C 15 kV, 1000 kcmil, 3/C	032CC042S
012501	28 kV, 1000 kcmil, 1/C 15 kV, #1 AWG, 3/C	034CC042S
011965	15 kV, 3/0 AWG, 3/C	036CC050S
011966	28 kV, #1 AWG, 5/C 15 kV, 350 kcmil, 3/C	042CC050S

INSULATOR, CERAMIC, Spool, Cable Support Assembly, Bolted – Deplete Stock

Description: Single spool assembly with mounting bolts. Insulator halves are glazed porcelain. Base is galvanized steel. Top clamp is aluminum. Fasteners are stainless steel.

Application: To provide a means to fasten heavy primary or secondary cable to support brackets. Availability of this product is not certain. Once inventory is depleted, use thermoplastic type in combination with adapter bracket, Stock No. 012465.

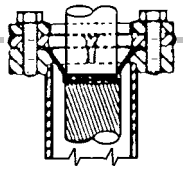
SCL Matl. Std.: none

Stock Unit: EA

typical

Stock Number	Cable Size	Inside Dimension	Delta-Star Catalog Number
690765	#1-2C	1-1/8″	SSZ-350008-T-SS
690770	350-2C	1-1/2″	SSZ-350011-T-SS
690772	500-1C	1-3/4″	SSZ-350013-T-SS
690775	750-1C	2″	SSZ-350015-T-SS
690777	#1-3C 15 kV	2-1/4″	SSZ-350017-T-SS
690780	3/0-3C 15 kV & #1-3C 28 kV	2-5/8″	SSZ-350020-T-SS

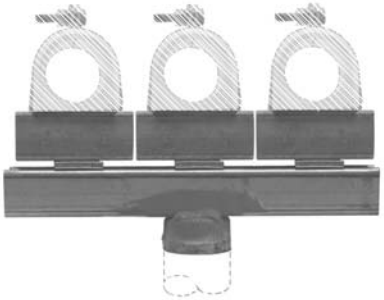
BRACKETS



BRACKET, Cable Support

Application: For 4 maximum diameter armored cable in 5 maximum diameter threaded conduit.
Stock No.: 731142 **Per SCL Matl. Std.:** none
O.Z. Cat. No.: FT 5040 **Stock Unit:** EA

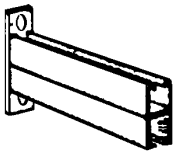
BRACKET ASSEMBLY, Horizontal, Cable Support



Description: Fabricated by Seattle City Light per SCL Material Standard.
Application: Used in conjunction with thermoplastic-type cable supports, Stock Nos. 011961 and 011962, to provide a means to support cable on 2 iron pipe post.
Per SCL Matl. Std.: 7206.12 **Stock Unit:** EA

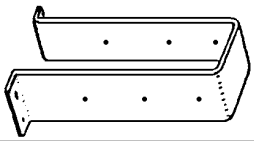
Stock No.	For Cable Size
012466	28 kV, 1/0 solid, 2/C, Bare
012467	28 kV, 350 kcmil, 1/C

BRACKET, Cable Support



Description: Vertical plate, double strut. 18 inch length.
Stock No.: 678005 **Per SCL Matl. Std.:** none
Unistrut Cat. No.: P-2543 **Morfab Cat. No.:** 10-CSP **Wesanco:** W-5653 E/G
Stock Unit: EA

ADAPTER, Splice Support



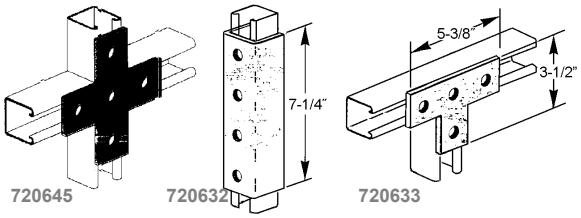
Application: For supporting Elastimold splices and taps.
Stock No.: 720627 **Per SCL Matl. Std.:** 7206.11
Stock Unit: EA

ADAPTER BRACKET, 4 Inch

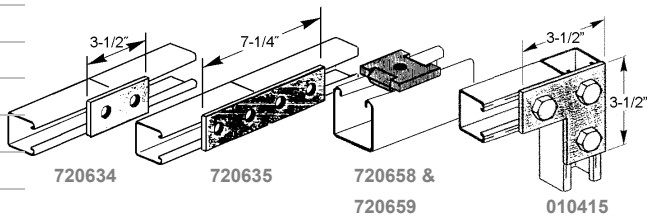
Description: Four-inch long piece of galvanized 1-5/8 x 1-5/8 strut-type channel. Fabricated per SCL Material Standard.
Application: Used in conjunction with thermoplastic-type cable supports, Stock Nos. 011961 through 011964 and 012501, to provide a means to fasten heavy primary or secondary cable to support brackets.
Stock No.: 012465 **Per SCL Matl. Std.:** 7206.09 **Stock Unit:** EA

FITTINGS, STRUT

Application: For use with 1-5/8-inch strut.
Per SCL Matl. Std.: None
Stock Unit: EA



Stock No.	Item	Size, in.
720645	4-way flat cross plate	5-3/8 x 5-3/8
720632	"U" shaped connector	7-1/4
720633	Flat "T" plate	5-3/8 x 3-1/2
720634	2 hole connector strap	3-1/2
720635	4 hole connector strap	7-1/4
720658*	Flat square washer with tabs	1-5/8, 9/16 hole
720659*	Flat square washer with tabs	1-5/8, 11/16 hole
010415	Three hole corner plate	3-1/2 x 3-1/2



* Non-tabbed versions of 720658 and 720659 are shown on page 78-24.

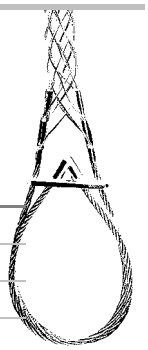
CABLE SUPPORT MATERIALS - UNDERGROUND
CABLE GRIPS

GRIPS, Cable Support, Double Eye
Description: Single weave, split mesh, rod closing.
Per SCL Matl. Std.: None
Stock Unit: EA

Stock No.	Cable Diameter, in.	Max. Load,* lbs.	Hubbell Bryant	Hubbell Kellems
763543	1.25 to 1.49	160	SPSR125DE	02203006
763545	1.75 to 1.99	215	SPSR175DE	02203008
763546	2.00 to 2.49	326	SPSR200DE	02203009
763547	2.50 to 2.99	326	SPSR250DE	02203010
763548	3.00 to 3.49	520	SPSR300DE	02203011
763549	3.50 to 3.99	520	SPSR350DE	02203012

* Recommended

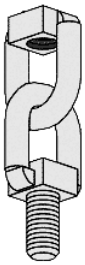
GRIPS, Cable Support, "Universal" Eye
Description: Single weave, split mesh, rod closing.
Per SCL Matl. Std.: None
Stock Unit: EA



Stock No.	Cable Diameter, in.	Max. Load,* lbs.	Hubbell Bryant	Hubbell Kellems	Woodhead
763550	0.75 to 0.99	100	SPSR075L	02203066	–
763551	1.00 to 1.24	140	SPSR100L	02203068	–
763554	1.75 to 1.99	215	SPSR175L	02203071	–
763555	2.00 to 2.49	326	SPSR200L	02203072	–
763556	2.50 to 2.99	326	SPSR250L	02203073	–
763560	3.50 to 3.99	520	–	–	35340

* Recommended

SWIVEL HANGER, Female-Male
Description: Zinc plated.
Application: For hanging running thread (Stock No. 780999) from uneven ceilings.
Per SCL Matl. Std.: None
Stock Unit: EA

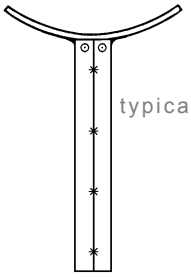


Stock No.	Thread Size, in.	B-Line	Unistrut
012567	1/2	B446-1/2	M2150

CABLE SUPPORT MATERIALS – POLE MOUNTED BRACKETS AND PIPE STRAPS

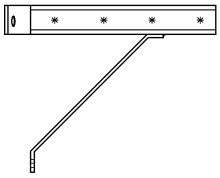
BRACKET, Conduit, Pole Riser

SCL Matl. Std.: 6867.50
Stock Unit: EA



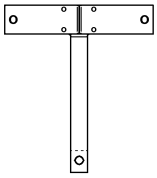
Bracket **Without** Brace

Stock No.	Length, in
686784E	10-1/2
686786E	12-1/2
686790E	18



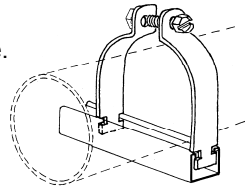
Bracket **With** Brace

Stock No.	Length, in
686792E	10-1/2
686794E	12-1/2
686796E	18
012330	26



STRAP, Strut Pipe / Conduit, Light Duty

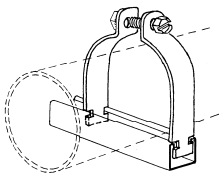
Description: Light duty, electro-galvanized steel, strut-type, pipe/conduit clamp. Hardware not captive.
Application: For securing lightweight, thin-wall EMT conduit to channel strut.
SCL Matl. Std.: none
Stock Unit: EA



Stock No.	Conduit Size, in	Captive Hardware?	Static Load Rating, lbs., minimum	Approved Manufacturers: Unistrut/ Tyco	Approved Manufacturers: Wesanco
689754E	1/2	no	400	P1211EG	W-6026
689757E	3/4	no	400	P1212EG	W-6028
689759E	1	no	400	P1213EG	W-6030

STRAP, Strut Pipe / Conduit, Heavy Duty

Description: Heavy duty, electro-galvanized steel, strut-type, pipe/conduit clamp. Sizes 1 inch through 4 inch are one-piece, break-apart, construction with captive hardware. Sizes 5 inch through 6 inch are of traditional two-piece design with non-captive hardware. Straps shall be provided assembled or individually bagged.
Application: For securing rigid steel or Schedule 80 PVC pipe to strut brackets installed on riser poles or to struts in other locations.
SCL Matl. Std.: none
Stock Unit: EA

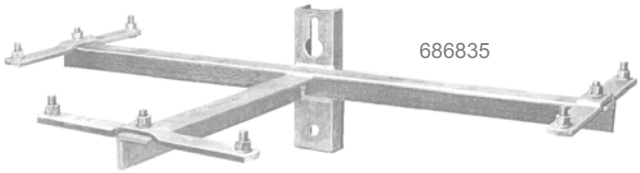


Stock No.	Conduit Size, in	Captive Hardware?	Static Load Rating, lbs, minimum	Approved Manufacturers: Caddy/ Erico	Approved Manufacturers: Wesanco
689760E	1	yes	600	RIGD0100EG	–
689761E	1-1/4	yes	600	RIGD0125EG	–
689762E	1-1/2	yes	800	RIGD0150EG	–
689764E	2	yes	800	RIGD0200EG	–
689766E	2-1/2	yes	800	RIGD0250EG	–
689768E	3	yes	800	RIGD0300EG	–
689770E	3-1/2	yes	1000	RIGD0350EG	–
689772E	4	yes	1000	RIGD0400EG	–
689774E	5	no	1000	–	W-6162A
010319E	6	no	1000	–	W-6170A

SUPPORT MATERIALS – POLE MOUNTED BRACKETS

TERMINATOR AND ARRESTER MOUNTING BRACKET

Per SCL Matl. Std.: none
Stock Unit: EA



Stock No.	Application	Manufacturer and Catalog No.	SCL Drawing No.
686830	for 1 phase UG	Aluma-Form 1HCA	–
686835	for 3 phase UG	MacLean/Dixie D-27211-GA	–
720638*	arrester and pothead adapter	–	A-4759

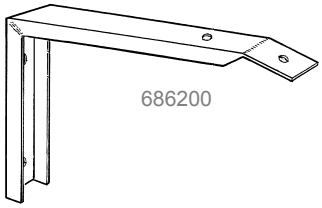
***** Also shown on page 56-5

TERMINATOR MOUNTING BRACKET

Per SCL Matl. Std.: 6862.0
Stock Unit: EA

Stock No.	Stock Number for Terminator
686200*	686480 and 686484

***** One issued with each cable-to-flat connector (Stock No. 676674).

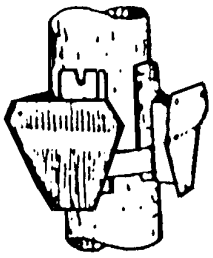


ARRESTER MOUNTING BRACKET

Per SCL Matl. Std.: none
Stock Unit: EA

Stock No.	Application	Manufacturer and Catalog No.
720640	intermediate arrester, 1 phase	AlumaForm WBMA-1
720641*	intermediate arrester, 3 phase	AlumaForm WBMA-3

***** Also shown on page 56-5



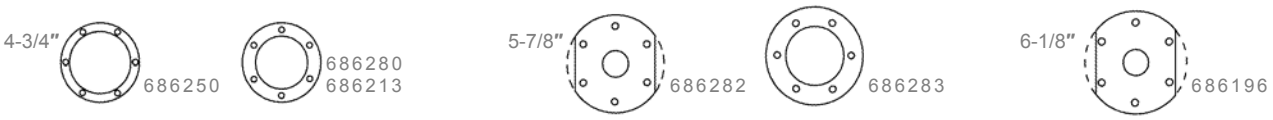
BRACKET, Cable Support with J-Bolt

Per SCL Matl. Std.: none
Description: Shop made per SCL Drawing using stainless steel.
Application: For pole mounting cable using cable grips.
Stock Unit: EA

Stock No.	Bolt Size, in.	SCL Material Standard or Drawing No.
780127	3/8 x 6	A-4108
720630	–	7206.5

next page (70-46) reserved for future use.

SINGLE TERMINATOR ADAPTER RING AND GASKET



ADAPTER RING, Welded to Transformer

Description: 7/10-inch thick adapter ring has 3/8" x 1-3/4" threaded studs. It is welded to the transformer.

Application: Used on 13 kV or 26 kV Network transformers, to convert from 13 kV wiped lead termination to PATR 1701 or to straight bushing.

Stock Unit: EA

Stock No.	Bolt Circle, in	Material Standard
686250	4-3/4	6862.5

ADAPTER RING, with Welded Bushing, Bolt-In

Application: Order adapter ring with bushing. See tables below. Use gasket.

Stock Unit: EA

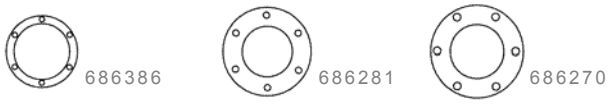
Stock No.	Bolt Circle, in	Material Standard
686213	4-3/4	6862.10
686282	5-7/8	6862.6
686196	6-1/8	6862.01

ADAPTER RING GASKET

Application: See tables below.

Stock Unit: EA

Stock No.	Bolt Circle, in	Material Standard
686386	4-3/4	6862.5
686281	5-7/8	6862.6
686270	6-1/8	6862.01



CLAMPING ADAPTER RING, for Use with 90° Bushing and Gasket

Description: There are no kits for the 90 degree clamped bushing. The parts are ordered individually and assembled at the time of conversion in the field. See U5-14/NSP-310 for quantities.

Application: Use gasket. See tables below.

Stock Unit: EA

Stock No.	Bolt Circle, in	Material Standard
686280	4-3/4	6862.8
686283	5-7/8	6862.9

Welded Bushing, Bolt-In Application

Notes:
1. Order the "Bushing with Adapter Ring" stock number and the gasket stock number. The kits are for one phase. Order three kits and three gaskets for a three phase transformer.
2. The bushing, or well, is shop welded to the adapter ring, each is one kit.
3. There may be **no** stock of adapter rings and bushings or wells as they are used by the shops to make up the "Bushing with Adapter Ring" assembly.

Convert			Stock No.				
On Transformer	From	To	Bushing with Adapter Ring Kit	Bushing Alone	Adapter Ring Alone	Gasket	Material Standard
13 kV Ntwk and converted 26 kV Ntwk with 686250	13 kV PATR 1701 and 26 kV conversions	straight bushing	686387	686392	686213	686386	6862.10
26 kV Ntwk	26 kV PATR 1802	straight bushing	686273	686392	686282	686281	6862.6
26 kV CS	26 kV TR 18045R or W	200 A well	686197	686434	686196	686270	6862.01

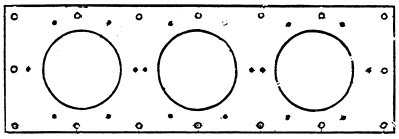
Clamping Adapter Ring, Clamped 90° Bushing Application

Convert			Stock No			
On Transformer	From	To	Adapter Ring	Bushing	Gasket	Material Standard
13 kV Ntwk	13 kV PATR 1701	90° bushing	686280	687009	686386	6863.5
26 kV Ntwk	26 kV PATR 1802	90° bushing	686283	687009	686281	6863.5

Ntwk = Network; CS = commercial subway; PATR = pre assembled terminator

UNDERGROUND MATERIALS
TERMINATOR ADAPTER PLATES, GASKETS & FLOWERPOTS - TRIPLE

ADAPTER PLATES & FLOWERPOT - 26 kV Terminator



To replace 3/C 27 kV G & W potheads. Flowerpots consist of 3 - 200 ampere bushing wells (Stock No. 686434) welded into adapter plate to be available for emergency use.
Stock Unit: EA Per City Light Matl. Std. 6862.3

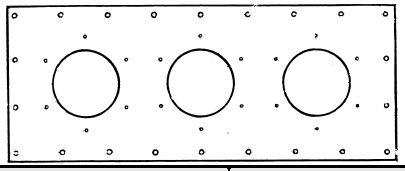
Stock No.	Item	Application	Pothead or Bushing	Pothead or Bushing Stock No.	Bolt Circle
686202	Adapter Plate	To replace 3/C 27 kV G & W pothead, TRA 3855C	PATR 1802	686482	5-7/8”
686204	Adapter Plate	To replace 3/C 27 kV G & W pothead, TRA 3855C	PATR 1873	686461	6-5/8”
686205	Adapter Plate	To replace 3/C 27 kV G & W pothead, TRA 3855C	600 amp 90• bushings or straight bushings	687009 686387	4-3/4”
686208	Flowerpot	27 kV	200 amp bushing wells	--	N/A

GASKET, Terminator Adapter Plate

For Stock No. 686202, 686204 & 686205 adapter plates & 686208 Flowerpot above.
Stock Unit: EA

Stock No.	Manufacturer & Catalog No.
686221	G&W Cat. No. B1627-16

ADAPTER PLATES & FLOWERPOT – 35 kV Terminator



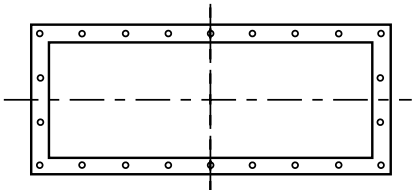
To replace 3/C 34.5 kV G & W potheads. Flowerpots consist of 3 - 200 ampere bushing wells (Stock No. 686434) welded into adapter plate to be available for emergency use.
Per City Light Matl. Std. 6862.4
Stock Unit: EA

Stock No.	Item	Application	Pothead or Bushing	Pothead or Bushing Stock No.	Bolt Circle
686201	Adapter Plate	To replace 3/C 34.5 kV G & W pothead, 3925C	PATR 1802	686482	5-7/8”
686203	Adapter Plate	To replace 3/C 34.5 kV G & W pothead, 3925C	PATR 1873	686461	6-5/8”
686209	Flowerpot	34.5 kV	200 amp bushing wells	--	N/A

GASKET, Terminator Adapter Plate

For Stock No. 686201, 686203 adapter plates & Stock No. 686209 Flowerpot above.
Stock Unit: EA

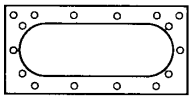
Stock No.	City Light Matl. Std. No.
686220	6862.2



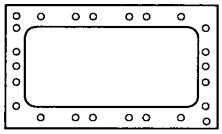
GASKETS, Trans. To Network. Protectors

Per City Light Matl. Std. 6867.9
Stock Unit: EA

Stock No.	Network Protector
686798	800 through 1875 amp
686799	2500 through 3500 amp



686798



686799

THE NEXT PAGE (70-50) RESERVED FOR FUTURE USE.

MISCELLANEOUS UNDERGROUND MATERIAL

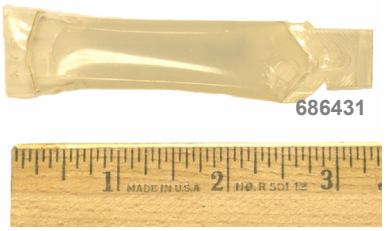
MARKING TAPE, Conduit or Direct Buried Cable

Description: Red printing on plastic film with detectable foil. Also shown on Stock Catalog page 73-40.
SCL Material Standard: none
Stock Unit: RL

Stock No.	Roll Size	Printing	Manufacturers
736800	3″ x 1000´	"CAUTION: BURIED ELECTRIC LINE"	Reef Industries “Sentry Line” #42-0110
			Pro-Line Safety
736900	2″ x 1000´	“SEATTLE CITY LIGHT PUMP DISCHARGE CONDUIT CALL 206- 625-3000 FOR FREE REPAIR"	D & G Sign and Label

GREASE, Silicone

Description: Dielectric silicone compound. Product is a stiff, tacky dielectric compound with excellent water repellency.
Application: Five gram packets are for used to lubricate elbows and primary splices. Eight ounce squeeze tubes are most appropriate when large amounts of the product are needed to fill voids in underground secondary cluster splices for the purpose of keeping out dirt and water. Product dispensed from eight-ounce squeeze tubes should not be used to lubricate primary connections due to the risk of contamination.
SCL Material Standard: none
Stock Unit: TU



Stock No.	Description	Manufacturer	Catalog No.
686431E	5 gram individual packet	Silchem	SM7704/5gm/mt
012788	8 ounce squeeze tube	Silchem	SM7704/8.0

PIN, Steel

Description: 16″ long, 7/8″ diameter.
Application: For holding down steel plates covering excavations during construction.
SCL Material Standard: none
Stock Unit: EA
Manufacture: Made by City Light Steel Shop
Stock No.: 720710

INFLATABLE CONDUIT SEALING DEVICES

INFLATABLE CONDUIT SEALING SYSTEM, Rayflate Duct Sealing System (RDSS)

Description: The Rayflate seal consist of an inflatable bladder of flexible metallic laminate, coated on both sides with a sealant strip. With the sealant strips lubricated, the product can be wrapped around the cable and slipped into the conduit. The bladder is then inflated, pressing the sealant coating against the conduit wall and the cable. Raychem RDSS-IG-SR-AS gas pressure inflation tool kit is used to inflate seals with nitrogen or compressed air from cylinders. The kit contains valve/hose connections, a pressure gauge and an auto shutoff. Upon removal of the filling tube, an automatic gel valve system retains the gas pressure in the bladder.

Application: The sealing system can provide a waterproof seal when used with plastic, concrete or steel conduit. Depending on the conduit diameter, most Rayflate bladders seal vacant conduits and conduits which contain up to two cables. Sealing of three or more cables can be achieved by inserting a mastic sealant-clip between the cables. The RDSS-Clip is made from a high-temperature mastic mounted on an installation stick.

SCL Material Standard: none

Stock Unit: EA

Application Guide: Sealing Kits and Clips Required

Number of Cables	Conduit ID Range, in	Max. Cable or Cable Bundle Diameter, in	Raychem Inflation Kit	SCL Stk No	Raychem Clip, number of clips	SCL Stk No
0, 1, or 2	1.75 to 2.25	0.7 to 1.6	RDSS-60	737530	none	-
	2.50 to 3.00	1.5 to 2.2	RDSS-75	737531	none	-
	3.25 to 4.50	2.2 to 3.5	RDSS-100	737532	none	-
	4.75 to 5.00	3.8 to 4.1	RDSS-125	737533	none	-
3 or 4	1.75 to 2.25	0.5 to 1.4	RDSS-60	737530	RDSS-CLIP-75 (1)	737541
	2.50 to 3.00	1.3 to 2.0	RDSS-75	737531	RDSS-CLIP-75 (1)	737541
	3.25 to 4.50	2.0 to 3.3	RDSS-100	737532	RDSS-CLIP-100 (1)	737542
	4.75 to 5.00	3.6 to 4.9	RDSS-125	737533	RDSS-CLIP-125 (1)	737543
5, 6, or 7	1.75 to 2.25	0.3 to 1.2	RDSS-60	737530	RDSS-CLIP-75 (2)	737541
	2.50 to 3.00	1.1 to 1.8	RDSS-75	737531	RDSS-CLIP-75 (2)	737541
	3.25 to 4.50	1.8 to 3.1	RDSS-100	737532	RDSS-CLIP-100 (2)	737542
	4.75 to 5.00	3.4 to 3.7	RDSS-125	737533	RDSS-CLIP-125 (2)	737543

CONDUIT SEALING DEVICES

FIRE BARRIER PLUG

Description: Intumescent, non-hardening plug (biscuit).

SCL Material Standard: none

Stock Unit: EA

Stock No.	Conduit Size, in.	Hilti Catalog No.
012520	2	00378287
012521	4	00378288

FIRE BARRIER SEALANT

Description: Flexible, fire barrier, silicone- or acrylic-based sealant in nominal 10.3 fl. oz. cartridges.

Application: Used alone or in conjunction with firestop plugs, Stock Numbers 012520 and 012521, to prevent fire and smoke from spreading from Seattle City Light vaults through the conduit system back to a customer's building. Sealant cures upon exposure to atmospheric humidity.

SCL Material Standard: none

Stock Unit: TU

Stock Number: 012790

Approved Manufacturers:

Manufacturer	Product Name	Catalog No.	Nominal Size
3M	Fire Barrier Silicone Sealant	3M 2000+	10.3 fl. oz.
Hilti	Fire-Resistant Joint Filler	CP 606	310 ml

HANDHOLES AND ACCESSORIES

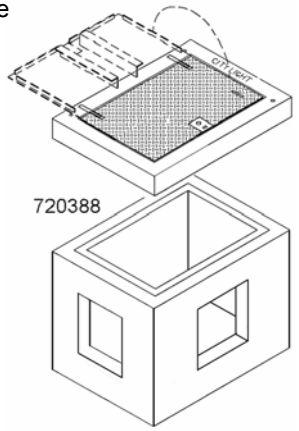
CONCRETE HANDHOLE, with Cover, "233"

Description: Precast concrete secondary handhole with galvanized slip resistant cover.

SCL Matl. Std.: 7203.08

Stock Unit: EA

Stock Number	Size, W x L x D, ft
720388	2 x 3 x 3

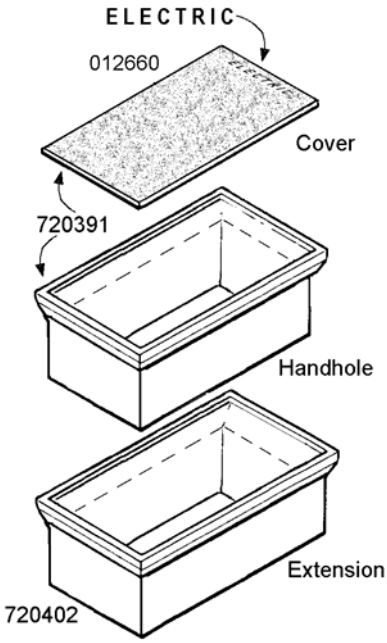


CONCRETE HANDHOLE, Riser and Cover

Description: Precast concrete secondary and streetlight handholes are used with galvanized slip resistant covers. Extension and cover are available separately.

SCL Matl. Std.: 7203.10

Stock Unit: EA



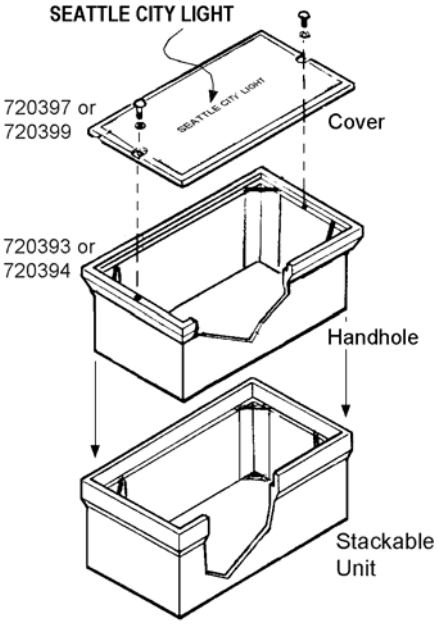
Stock Number	Item	Size, W x L x D, in
012978	handhole only	17 x 28 x 12
720402	extension	17 x 28 x 12
012660	cover, "Electric"	17 x 28
012979	cover, "SL"	17 x 28
012945	handhole with cover, "S/L"	14 x 19 x 12
720391	handhole with cover, "Electric"	17 x 28 x 12
013178	handhole with cover, "S/L"	17 x 28 x 12

FIBERGLASS OR COMPOSITE HANDHOLE, Riser and Cover

Description: Handhole and cover. Order as separate items.

SCL Matl. Std.: 7203.12

Stock Unit: EA



Stock Number	Item	Size, W x L x D, in
720393‡	handhole	17 x 30 x 26
720397	cover	17 x 30
720394	handhole	17 x 36 x 18
720399	cover	17 x 36

‡ Some manufacturers may provide two 12-inch-high stackable units to obtain the required depth. Depth may vary 24 to 26 inches.

VAULT COVERS AND ACCESSORIES

VAULT GRATINGS AND COVERS

Application: Frame and cover assemblies are used to construct the means for entering and exiting underground vaults located in pedestrian sidewalks, side streets, or arterials and highways. Refer to Material Standard 7204.70 for more information.

Stock Number	Stock Unit	Nominal Daylight Opening, in	Description	Load-ing	*Use with Frame* UV Cat. Number or SCL Stock Number	Notes	Material Standard
720229	ST	30 x 42	double cast iron grate, for replacement only	H-20	3042-E-HG	grate without hinges or frame (35″ x 48″ outside grate size)	none
720230	ST	–	hinge plate with pin only for Stock No. 720229	H-20	3042-E-HG	used in sets of 4 which consists of 2 left and 2 right	none
720224	EA	42 dia.	solid polymer cover, non-skid	H-10	720461 or 720465 or 012753	for use in sidewalk only, 44-1/2″ OD of cover	none
720226	EA	42 dia.	vented cover, cast iron	H-20	720461 or 720465 or 012753	44-1/4″ OD of cover	7204.70
720466	EA	42 dia.	solid cover, cast iron	H-20	720461 or 720465 or 012753	44-1/4″ OD of cover	7204.70
720550	EA	58-5/8 square	sidewalk grating, steel, Gary type	side-walk	–	–	7204.3

ROUND VAULT FRAMES

Application: Use with nominal 42” round covers, Stock Numbers 720226, 720466 or 720224.

SCL Matl. Std.: 7204.70

Stock Unit: EA

Stock Number	Daylight Opening, in	Lugs	Loading	Use with Cover or Grating
720461	42-1/2 dia.	4	H-20	all 42″ covers
012753	42-3/4 dia.	8	H-25	all 42″ covers

VAULT ACCESSORIES

SUMP PUMP GRATING

Application: For use in underground vaults.
SCL Matl. Std.: none
Stock Unit: EA

Stock Number	Size, in
720228	15-1/4 x 21-5/8 x 1

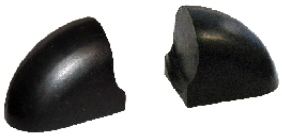
PULLING IRON

Application: For cast-in-place and in-building vaults.
Description: Stainless steel, 40,000 lbs ultimate, 7/8-inch diameter rod.
SCL Matl. Std.: none
Stock Unit: EA

Stock Number	UV Catalog Number
720235	5180150

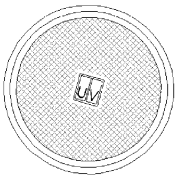
PULLING IRON FORMS

Application: Rubber form for cast-in-place and in-building vaults. Forms available from SCL vault inspector.
SCL Matl. Std.: none
Stock Number: none



COVER

Application: Polystone cover to place over recessed in-floor pulling irons.
SCL Matl. Std.: none
Stock Unit: EA



Stock Number	UV Catalog Number
720236	5580130

PRECAST VAULTS AND ACCESSORIES

CONCRETE VAULT, "444"

Description: Precast concrete vault assemblies and components with galvanized non-slip covers.

Application: The "444" vaults are intended for use in the construction of underground electric systems. The precast concrete structure may be used to house load break junction boxes, and in making service connections and splices for the distribution system.

SCL Matl. Std.: 7203.26
Stock Unit: EA

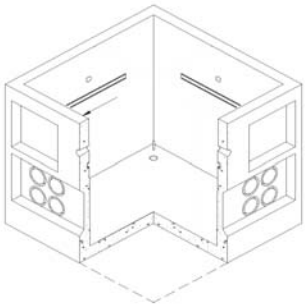
		Nominal Dimension, Foot-Inch			Nominal Dimension, Inch	
Stock Number	Description	Length	Width	Depth	Door/Opening	Loading
013093	444 Vault Base	4-0	4-0	3-6	-	-
013094	44 Cover Slab	4-0	4-0	0-6	36 x 36, non-slip, solid	H20
013095	44 Cover Slab	4-0	4-0	0-6	42 round, solid	H20
013157	Oversized 44 Cover Slab	4-4	4-7	0-6	34 x 37, solid	H30
013120	Assembled 444 Vault Unit	4-0	4-0	4-0	36 x 36, non-slip, solid	H20
013121	Assembled 444 Vault Unit	4-0	4-0	4-0	42 round, solid	H20
013158	Assembled 444 Vault Unit	4-0	4-0	4-0	34 x 37, solid	H30

CONCRETE VAULT, "504"

Description: Precast concrete vault assemblies and components with galvanized non-slip covers.

Application: The 504 or 554 vaults are intended for use in the construction of underground electric systems. The precast concrete structure may be used to house load break junction boxes, and in making service connections and splices for the distribution system.

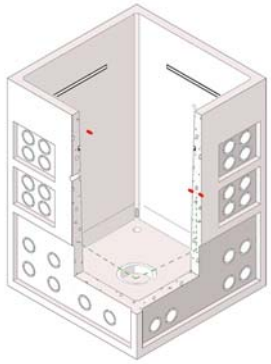
SCL Matl. Std.: 7203.31
Stock Unit: EA



		Nominal Dimension, Foot-Inch			Nominal Dimension, Inch	
Stock Number	Description	Length	Width	Depth	Door/Opening	Loading
013096	554 Vault Base	4-8	4-8	3-6	-	-
013097	55 Cover Slab	4-8	4-8	0-6	36 x 36 non-slip, solid	H20
013098	55 Cover Slab	4-8	4-8	0-6	42 round, solid	H20
013159	55 Cover Slab	4-8	4-8	0-6	34 x 37, solid	H30
013122	Assembled 554 Vault Unit	4-8	4-8	4-0	36 x 36, non-slip, solid	H20
013123	Assembled 554 Vault Unit	4-8	4-8	4-0	42 round, solid	H20
013160	Assembled 554 Vault Unit	4-8	4-8	4-0	34 x 37, solid	H30

PRECAST VAULTS AND ACCESSORIES

CONCRETE VAULT, "507"



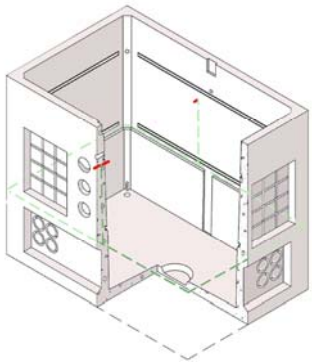
Description: Precast concrete vault assemblies and components with galvanized non-slip covers.

Application: The "507" vaults are intended for use in the construction of underground electric systems. The precast concrete structure may be used to house medium-sized transformers, load break junction boxes, and in making service connections and splices for the distribution system.

SCL Matl. Std.: 7203.36
Stock Unit: EA

		Nominal Dimension, Foot-Inch			Nominal Dimension, Inch	
Stock Number	Description	Length	Width	Depth	Door/Opening	Loading
013101	557 Vault Base	4-8	4-8	6-6	-	-
013102	55 Cover Slab	4-8	4-8	0-6	36 x 36, grated vent	H20
013124	Assembled 557 Vault Unit	4-8	4-8	4-0	36 x 36, grated vent	H20

CONCRETE VAULT, "577"



Description: Precast concrete vault assemblies and components with galvanized non-slip covers.

Application: 577 vaults are intended for use in the construction of underground electric systems. This precast concrete structure may be used to house medium-size transformers, load break junction boxes, and in making service connections and splices for the distribution system.

SCL Matl. Std.: 7203.41
Stock Unit: EA

		Nominal Dimension, Foot-Inch			Nominal Dimension, Inch	
Stock Number	Description	Length	Width	Depth	Door/Opening	Loading
013089	577 Vault Base	7-0	4-8	6-0	-	-
013090	Removable Divider Wall	0-3	4-8	6-0	-	-
013091	57 Cover Slab	7-0	4-8	1-0	(2) 36 x 36, non-slip, solid	H20
013092	57 Cover Slab	7-0	4-8	1-0	(1) 36 x 36, non-slip, solid (1) 36 x 36, grated vent	H20
013151	57 Cover Slab	7-0	4-8	1-0	(2) 34 x 37, solid	H30
013125	Assembled 577 Vault Unit	7-0	4-8	7-0	(2) 36 x 36, non-slip, solid	H20
013126	Assembled 577 Vault Unit with Divider Wall	7-0	4-8	7-0	(1) 36 x 36, non-slip, solid (1) 36 x 36, grated vent	H20
013127	Assembled 577 Vault Unit with Divider Wall	7-0	4-8	7-0	(2) 36 x 36, non-slip, solid	H20
013152	Assembled 577 Vault Unit	7-0	4-8	7-0	(2) 34 x 37, solid	H30

COMPRESSION CONNECTORS, FOR 600 A ELBOWS, ALL-ALUMINUM TYPE

COMPRESSION CONNECTOR, All-Aluminum Type

Application: All-aluminum compression connectors are used to make up 600 A, 125 kV and 150 kV BIL, deadbreak separable connectors, utilizing the dielectric components specified in Material Standards 6863.15 and 6863.25, respectively. All-aluminum compression connectors can be used with either aluminum or copper conductor cable.

SCL Matl. Std.: 6863.10

Stock Units: EA

Stock Number	Conductor
686375	#1 AWG compressed
	1/0 AWG solid
686377	2/0 AWG compact
686376	2/0 AWG compressed
686378	3/0 AWG compressed
686369	4/0 AWG compressed
686366	350 kcmil compact
686351	350 kcmil compressed
686362	500 kcmil compact
010135	500 kcmil compressed
686349	750 kcmil compact
686359	750 kcmil compressed
686398	1000 kcmil compact
010136	1000 kcmil compressed

SEPARABLE CONNECTOR, DIELECTRIC COMPONENTS, 125 KV BIL, DEADBREAK

SEPARABLE CONNECTOR (Elbow), 125 kV BIL

Application: A separable connector (elbow) is a fully insulated and shielded system for terminating and electrically connecting an insulated power cable to electrical apparatus, other power cables, or both, so designed that the electrical connection can be readily established or broken by engaging or separating the connector at the operating interface. Suitable for use on 13.8 kV, 3-wire, delta systems and 26.4 kV, 4-wire, solidly-grounded systems.

Refer to SCL Construction Guidelines, U5-17.05/NSP-304 or U5-14/NSP-310 for a complete list of cable adapters, compression connectors, and other parts necessary to make up a complete assembly.

125 kV BIL T-bodies and cable adapters *cannot* be used interchangeably with 150 kV BIL dielectric components. New construction should utilize 125 kV BIL material, except in cases where the equipment being connected to has 150 kV BIL bushings. 600 A and 900 A compression connectors can be used to make up either 125 kV BIL or 150 kV BIL separable connectors. Dielectric components alone do not have a current rating.

SCL Matl. Std.: 6863.15

Stock Units: EA

Stock Number: 686350 (T-body)

Cable Adapter Stock No	Cable Stock No	Rated Circuit Voltage, kV	Type	Size, AWG/ kcmil	Shape	Shield Type
686310	613522	**15**	3/C	**#1**	compressed	tape
	613523	**15**	3/C	**#1**	compressed	tape
686315	613520	**15**	3/C	**2/0**	compressed	tape
	613521	**15**	3/C	**3/0**	compressed	tape
	613526	**15**	3/C	**3/0**	compressed	tape
686370	602027	**28**	1/C	**#1**	class B	RW/CN
	613540	**28**	3/C+3G	**#1**	compressed	tape
	602025	**28**	1/C+1N	**1/0**	solid	RW/CN
	012098	**28**	1/C+1N	**1/0**	solid	RW/CN
686361	601025	**5**	1/C	**500**	class B	DW
	613530	**15**	3/C	**350**	compact	tape
686365	010128	**15**	3/C	**500**	compact	tape
	613532	**15**	3/C	**500**	compact	tape
	623640	**15**	1/C	**500**	compact	tape
	012735	**15**	3-1/C	**500**	compressed	FS
	012099	**28**	1/C	**350**	compact	FS
	613613	**28**	1/C	**350**	compact	DW
	613543	**28**	3/C+3G	**350**	compact	tape
686352	602044	**28**	1/C	**350**	class B	RW/CN
	012100	**28**	1/C	**500**	compact	FS
	613615	**28**	1/C	**500**	compact	DW
	613645	**28**	1/C	**500**	compressed	FS
686348	613534	**15**	3/C	**750**	compact	tape
	602119	**28**	1/C	**750**	compact	DW
	613618	**28**	1/C	**750**	compact	DW
	012101	**28**	1/C	**750**	compact	FS
686372	623670	**15**	3-1/C	**1000**	compressed	FS
010137	012102	**28**	1/C	**1000**	compact	FS
	613619	**28**	1/C	**1000**	compact	DW
	613655	**28**	1/C	**1000**	compressed	FS

Adapters are not available for the following cables: Stock Number 613212, 613222, 613531, 613533, 623650, 974050, 623660, and 623655. Additional adapters, Stock Numbers 686346 and 686360, are also available for use if adapters prescribed above are too snug.

SEPARABLE CONNECTOR, BOLTED TYPE, KITS, 600 A, 125 KV BIL, DEADBREAK

General Application: A bolted cable joint is a fully insulated and shielded system for terminating and electrically connecting an insulated power cable to electrical apparatus or other power cables. Suitable for use on 13.8 kV, 3-wire, delta systems and 26.4 kV, 4-wire, solidly-grounded systems. Bolted cable joints are available in cable-to-apparatus (one way), straight (two-way), Y (three way), and H (four way) versions. De-energized (and grounded) joints can be quickly and easily connected and disconnected using standard hand tools. Bus bars can be changed to add or remove cables from the joint. Note that when modifying an existing joint, jacket sealing and metallic shield adapter connections may need to be reworked. The cable-to-apparatus connector listed on this page has an IEEE 386 interface on one end and is designed to be operated in the same manner as 600 A, T-body, separable connector.

SCL Matl. Std. reference for this page: 6863.16

All Stock Units: EA

H JOINT KIT

Application: For joining four primary cables through a single insulated bus, Additional parts are required to complete the connection.

Stock Number: 687430

Y JOINT KIT

Application: For joining three primary cables through a single insulated bus, Additional parts are required to complete the connection.

Stock Number: 687431

4-WAY BUS, Bus Only, H-Joint

Application: For building an H-joint when housings and bolt kits will be obtained elsewhere.

Stock Number: 013076

3-WAY BUS, Bus Only, Y-Joint

Application: For building a Y-joint when housings and bolt kits will be obtained elsewhere.

Stock Number: 013075

HOUSING KIT, Includes Bolt and Washers

Application: For adding a primary cable to an existing insulated bus with at least one unused way. Additional parts are required to complete the connection.

Stock Number: 687429

STRAIGHT CABLE-TO-APPARATUS CONNECTOR KIT

Application: For connecting primary cable inline to an IEEE 386, 600 A, apparatus bushing. Additional parts are required to complete the connection.

Stock Number: 687437

ACCESSORIES, SEPARABLE CONNECTOR, BOLTED TYPE, CABLE JOINT PARTS, 600 A, 125 kV BIL, DEADBREAK

General Application: A bolted cable joint is a fully insulated and shielded system for terminating and electrically connecting an insulated power cable to electrical apparatus or other power cables. Suitable for use on 13.8 kV, 3-wire, delta systems and 26.4 kV, 4-wire, solidly-grounded systems. Bolted cable joints are available in cable-to-apparatus (one way), straight (two-way), Y (three way), and H (four way) versions. De-energized (and grounded) joints can be quickly and easily connected and disconnected using standard hand tools. Bus bars can be changed to add or remove cables from the joint. Note that when modifying an existing joint, jacket sealing and metallic shield adapter connections may need to be reworked.
SCL Matl. Std. reference for this page: 6863.16
All Stock Units: EA

INSULATING CAP with bail

Application: An accessory device designed to electrically insulate, electrically shield, and mechanically seal an unused way of an insulated bus.

Stock Number: 687435

ASSEMBLY/DISASSEMBLY TOOL, lever drive type

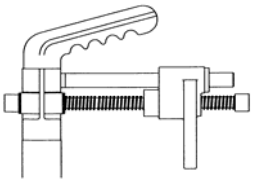
Application: Recommended for ease of assembly/disassembly of receptacle to insulated bus bar.

Stock Number: 687490

ASSEMBLY/DISASSEMBLY TOOL, worm gear type

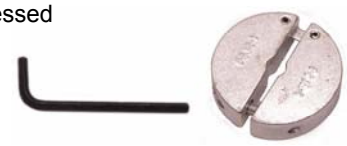
Application: Recommended for ease of assembly/disassembly of receptacle to insulated bus bar.

Stock Number: 012856



CABLE ADAPTER RETAINING RING

Application: To secure the cable adapter within a bolted cable joint.

Stock Number	Cable, AWG/kcmil	Figure
687604	#1 compressed	
none	2/0 compressed	na
687606	3/0 compressed	
687610	350 compact	
none	500 compressed	na
687612	500 compact	
687614	750 compact	
687615	1000 compact	

ACCESSORIES, SEPARABLE CONNECTOR (ELBOW), MULTI-WAY JUNCTIONS, 600 A, 125 kV BIL, DEADBREAK

General Application: The accessories on this page are intended to be used in conjunction with 600 A, 125 kV BIL, deadbreak separable connector dielectric components (T-bodies and cable adapters), Material Standard 6863.15, to construct complete cable connector systems.
SCL Matl. Std. reference for this page: 6863.17
All Stock Units: EA

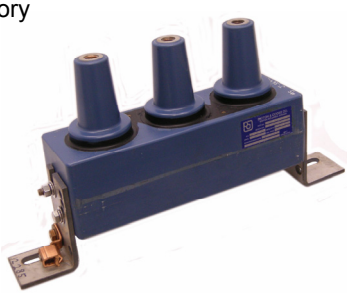
MULTI-WAY JUNCTION (J-Box),Three-Bushing, with Type 160PS Parking Stand Each End

Application: An accessory device with three interconnected bushings. Center-to-center spacing is four inches.

Stock Number: 686383

MULTI-WAY JUNCTION (J-Box),Three-Bushing, Cast Resin Type, with Type 160PS Parking Stand Each End

Application: An accessory device with three interconnected bushings. Center-to-center spacing is four inches. Cast resin type junctions are for installations where extra high-reliability components are required.



Stock Number: 012285

MULTI-WAY JUNCTION (J-Box), Four-Bushing, with Type 160PS Parking Stand Each End

Application: An accessory device with four interconnected bushings. Center-to-center spacing is four inches.

Stock Number: 686384

MULTI-WAY JUNCTION (J-Box), Four-Bushing, Cast Resin Type, with Type 160PS Parking Stand Each End

Application: An accessory device with four interconnected bushings. Center-to-center spacing is four inches. Cast resin type junctions are for installations where extra high-reliability components are required.

Stock Number: 012286

ACCESSORIES, SEPARABLE CONNECTOR (ELBOW), 600 A, 125 kV BIL, DEADBREAK

General Application: The accessories on this page are intended to be used in conjunction with 600 A, 125 kV BIL, deadbreak separable connector dielectric components (T-bodies and cable adapters), Material Standard 6863.15, to construct complete cable connector systems.
Important Note: Some accessories are provided with a stud. If an accessory is provided with the stud factory-installed, it should be considered permanent and not removable.
SCL Matl. Std. reference for this page: 6863.17
All Stock Units: EA

THREADED STUD, 5/8-inch, Aluminum

Application: For replacement purposes if original threaded stud is lost or damaged. This part is only appropriate for 600 A rated connector systems.

Stock Number: 686396

CONNECTING PLUG with One Loose Stud

Application: A connector that provides two in-line bushing interfaces.

Stock Number: 686353

INSULATED PLUG with Test Point Cap

Application: An accessory device designed to electrically insulate, electrically shield, and mechanically seal an elbow interface. Test point cap is removable to allow access to capacitive test point. Requires stud.

Stock Number: 686356

INSULATED PLUG with Test Point Cap and One Loose Stud

Application: An accessory device designed to electrically insulate, electrically shield, and mechanically seal an elbow interface. Test point cap is removable to allow access to capacitive test point.

Exact same as 686356, except one loose stud is provided.

Stock Number: 686357

ACCESSORIES, SEPARABLE CONNECTOR (ELBOW), 600 A, 125 kV BIL, DEADBREAK

General Application: The accessories on this page are intended to be used in conjunction with 600 A, 125 kV BIL, deadbreak separable connector dielectric components (T-bodies and cable adapters), Material Standard 6863.15, to construct complete cable connector systems.
SCL Matl. Std. reference for this page: 6863.17
All Stock Units: EA

BUSHING EXTENDER, with One Loose Stud

Application: A connector that provides two in-line elbow interfaces.

Stock Number: 686380

INSULATED CAP with Test Point and One Stud

Application: An accessory device designed to electrically insulate, electrically shield, and mechanically seal a bushing insert or integral bushing. Stud may be loose or permanent.

Stock Number: 686379

INSULATED PARKING BUSHING, Type 160PS

Application: An accessory device designed to electrically insulate, electrically shield, and mechanically seal a power cable terminated with an elbow and to be installed into a type 160PS parking stand. Requires stud.

Stock Number: 686382

INTEGRAL BUSHING, with 2-15/16-inch Shank

Application: An apparatus bushing designed for use with another connector component, such as an elbow. Requires stud. For sidewall, under oil mounting.

Stock Number: 686394

SPANNER WRENCH

Application: Used to install connecting plugs, deadbreak reducing tap plugs, and reducing tap wells.

Stock Number: 686358

INTEGRAL BUSHING, with 8-9/16-inch Shank

Application: An apparatus bushing designed for use with another connector component, such as an elbow. Requires stud. Use with adapter plate, Stock Number 686213, to convert G&W pothead termination to straight apparatus bushing on 13.8 kV network transformer. This assembly requires welding. Refer to Material Standard 6862.10. Use with adapter plate, Stock Number 686282, to convert G&W PATR 1802 pothead termination to straight apparatus bushing on 26.4 kV network transformer. This assembly requires welding. Refer to Material Standard 6862.6. For in-air application, use with Stock Number 686397.

Stock Number: 686392

INTEGRAL BUSHING, with 18-inch Shank

Application: An apparatus bushing designed for use with another connector component, such as an elbow. Requires stud. For CS transformers.

Stock Number: 686393

IN-AIR BUSHING, with 8-1/2-inch Shank

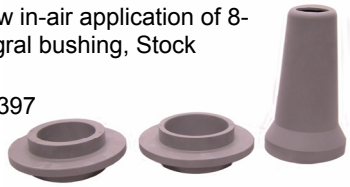
Application: Apparatus bushing.

Stock Number:
686399

BOOT AND COLLARS

Application: To allow in-air application of 8-9/16 inch shank, integral bushing, Stock Number 686392.

Stock Number: 686397



ACCESSORIES, SEPARABLE CONNECTOR (ELBOW), FOR TRANSITION OF 600 DEADBREAK SYSTEM TO 200 A DEADBREAK SYSTEM, 125 kV BIL

General Application: The accessories on this page are intended to be used in conjunction with 600 A, 125 kV BIL, deadbreak separable connector dielectric components (T-bodies and cable adapters), Material Standard 6863.15, to construct complete cable connector systems.
SCL Matl. Std. reference for this page: 6863.17
All Stock Units: EA

DEADBREAK REDUCING TAP PLUG

Application: An accessory device designed for the transition of a 600 A deadbreak system to a 200 A deadbreak system. Requires stud.

Stock Number: 686355

DEADBREAK REDUCING TAP PLUG with One Loose Stud

Application: An accessory device designed for the transition of a 600 A deadbreak system to a 200 A deadbreak system. Exact same as 686355, except one loose stud is provided.

Stock Number: 686354

REDUCING TAP WELL with One Loose Stud

Application: A connector that provides a transition from a 600 A elbow to a 200 A bushing well.

Stock Number: 686363

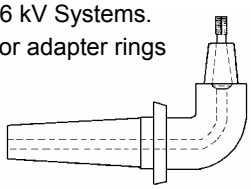
ACCESSORIES, BUSHING, SEPARABLE CONNECTOR (ELBOW), 600 A, 125 kV BIL, DEADBREAK

All Stock Units: EA

90 DEGREE BUSHING, Clamped

Application: For transformer and switch conversion and repairs. For 13 kV and 26 kV Systems.

See pages 70-47 and 70-49 for adapter rings and gaskets.

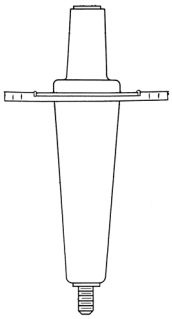


SCL Matl. Std.: 6863.5

Stock Number: 687009

BUSHING WITH ADAPTER RING, 8.58-inch Shank, 13 kV

Application: For transformer and switch conversion and repairs. For pothead replacement on 13 kV network transformers. Bushing welded to 4-3/4-inch bolt circle adapter ring. Bushing is welded to adapter ring, which is bolted to transformer. See page 70-47 for adapter ring and gasket.



SCL Matl. Std.: 6862.10

Stock Number: 686387

BUSHING WITH ADAPTER RING, 8.58-inch Shank, 26 kV

Application: For transformer and switch conversion and repairs. For pothead replacement on 26 kV network transformers. Bushing welded to 5-7/8-inch bolt circle adapter ring. Bushing is welded to adapter ring, which is bolted to transformer. See page 70-47 for adapter ring and gasket.

SCL Matl. Std.: 6862.6

Stock Number: 686273

BUSHING WITH ADAPTER RING, 9.5-inch Shank, 26 kV

Application: For transformer and switch conversion and repairs. For pothead replacement on 26 kV CS transformers. Bushing welded to 6-1/8-inch bolt circle adapter ring. Bushing is welded to adapter ring, which is bolted to transformer. See page 70-47 for adapter ring and gasket.

SCL Matl. Std.: none

Stock Number: 686197

SEPARABLE CONNECTOR, DIELECTRIC COMPONENTS, 150 kV BIL, DEADBREAK

SEPARABLE CONNECTOR (Elbow), Dielectric Components, 150 kV BIL

Application: A separable connector (elbow) is a fully insulated and shielded system for terminating and electrically connecting an insulated power cable to electrical apparatus, other power cables, or both, so designed that the electrical connection can be readily established or broken by engaging or separating the connector at the operating interface. Suitable for use on 13.8 kV, 3-wire, delta systems and 26.4 kV, 4-wire, solidly-grounded systems. 150 kV BIL T-bodies, straight bodies, and cable adapters cannot be used interchangeably with 125 kV BIL dielectric components. New construction should utilize 125 kV BIL material, except in cases where the equipment being connected to has 150 kV BIL bushings. 600 A and 900 A compression connectors can be used to make up either 125 kV BIL or 150 kV BIL separable connectors. Dielectric components alone do not have a current rating.

SCL Matl. Std.: 6863.25

Stock Units: EA

Stock Number	Description	Cable Insulation OD, Minimum Range in.
687060	T-body	-
687019	Cable adapter	0.875-0.985
687020	Cable adapter	1.220-1.375
687025	Cable adapter	1.285-1.395
687028	Cable adapter	1.485-1.595
687030	Cable adapter	1.575-1.685
687035	Cable adapter	1.665-1.780

ACCESSORIES, SEPARABLE CONNECTOR, 600 A, 150 kV BIL, DEADBREAK

General Application: The accessories on this page are intended to be used in conjunction with 150 kV BIL, deadbreak separable connector dielectric components (T-bodies and cable adapters), Material Standard 6863.25, to construct complete cable connector systems. 150 kV BIL T-bodies and cable adapters cannot be used interchangeably with 125 kV BIL dielectric components. New construction should utilize 125 kV BIL material, except in cases where the equipment being connected to has 150 kV BIL bushings.
SCL Matl. Std. reference for this page: 6863.27
All Stock Units: EA

CONNECTING PLUG with One Stud

Application: A connector that provides two in-line bushing interfaces.

Stock Number: 687260

INSULATED PLUG with Test Point Cap

Application: An accessory device designed to electrically insulate, electrically shield, and mechanically seal an elbow interface. Test point cap is removable to allow access to capacitive test point. Requires stud.

Stock Number: 687270

INSULATED PLUG with Test Point Cap and Loose One Stud

Application: An accessory device designed to electrically insulate, electrically shield, and mechanically seal an elbow interface. Test point cap is removable to allow access to capacitive test point. Exact same as 687270, except one loose stud is provided.

Stock Number: 687280

INSULATED CAP

Application: An accessory device designed to electrically insulate, electrically shield, and mechanically seal a bushing insert or integral bushing. For 35 kV loadbreak, transformer and junction box bushings.

Stock Number: 687340

COMPRESSION CONNECTORS, FOR 900 A ELBOWS, ALL-COPPER TYPE

900 A CONNECTOR, All-Copper-Type, Tin Plated

Application: All-copper compression connectors are used to make up 900 A, 125 kV and 150 kV BIL, deadbreak separable connectors, utilizing the dielectric components specified in Material Standards 6863.10 and 6863.15, respectively. All-copper compression connectors can only be used with copper conductor cable; all-copper compression connectors shall not be used with aluminum conductor cable

SCL Matl. Std.: 6863.30

Stock Units: EA

Stock Number	Conductor
686913	#1 AWG compressed
686914	3/0 AWG compressed
686916	350 kcmil compact
686917	500 kcmil compact
686918	500 kcmil compressed
686919	750 kcmil compact
686920	1000 kcmil compact
012128	1000 kcmil compressed

SEPARABLE CONNECTOR KITS, COOPER POWER SYSTEMS, T-OP II, 900 A, 125 kV BIL, DEADBREAK

SEPARABLE CONNECTOR (Elbow)

Description: Cooper Power Systems, 900 A, 125 kV, T-OP II, deadbreak separable connector kit, cable specific and includes T-body with test point, test point cap, cable adapter, threaded copper stud, copper compression connector, and insulated cap for 200 A bushing.

Application: A separable connector (elbow) is a fully insulated and shielded system for terminating and electrically connecting an insulated power cable to electrical apparatus, other power cables, or both, so designed that the electrical connection can be readily established or broken by engaging or separating the connector at the operating interface. Suitable for use on 13.8 kV, 3-wire, delta systems and 26.4 kV, 4-wire, solidly-grounded systems. For situations where a 200 A interface is required for testing, grounding, or overvoltage protection.

SCL Matl. Std.: 6863.34

Stock Unit: EA

Stock Number	Conductor
686223	28 kV, 1/0 AWG solid aluminum, bare CN cable, Stock Number 602025
	28 kV, 1/0 AWG solid aluminum, jacketed CN cable, Stock Number 012098
012486	28 kV, 500 kcmil compact stranded copper cable, Stock Number 012100
686226	28 kV, 750 kcmil compact stranded copper cable, Stock Number 012101

OPERATING, TEST, AND TORQUE TOOL

Application: Combined operating, test, and torque tool that allows single hotstick operation of Cooper Power System T-OP II.

SCL Matl. Std.: 6863.34

Stock Unit: EA

Stock Number: 686227

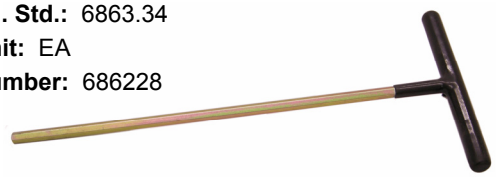
T-WRENCH, 5/16-inch

Application: T-wrench for installing loadbreak reducing tap plug into Cooper Power Systems T-OP II.

SCL Matl. Std.: 6863.34

Stock Unit: EA

Stock Number: 686228



ACCESSORIES, SEPARABLE CONNECTOR (ELBOW), 900 A, 125 kV BIL, DEADBREAK

General Application: The cable accessories on this page are intended to be used in conjunction with 125 kV BIL, deadbreak separable connector dielectric components (T-bodies and cable adapters), Material Standard 6863.15, to construct complete cable connector systems.
Important Note: Some accessories are provided with a stud. If an accessory is provided with the stud factory-installed, it should be considered permanent and not removable.
SCL Matl. Std. reference for this page: 6863.37
All Stock Units: EA

THREADED STUD, 5/8-inch, Copper

Application: For replacement purposes if original threaded stud is lost or damaged.
Stock Number: 686925

INTEGRAL BUSHING with 2-15/16-inch Shank

Application: An apparatus bushing designed for use with another connector component, such as an elbow. Requires copper stud. For sidewall, under oil mounting.
Stock Number: 686900

CONNECTING PLUG with One Loose Copper Stud

Application: A connector that provides two in-line bushing interfaces.
Stock Number: 686905

INSULATED PLUG with Test Point Cap and One Loose Copper Stud

Application: An accessory device designed to electrically insulate, electrically shield, and mechanically seal an elbow interface. Test point cap is removable to allow access to capacitive test point.
Stock Number: 686910

REDUCING TAP WELL

Application: A connector that provides a transition from a 900 A elbow to a 200 A bushing well. Requires copper stud.
Stock Number: 686915

71 pipe

Steel or Wrought Iron Pipe Data **1**
Pipe and Tubing **2**
Pipe Fittings **4**
Pipe Fittings **5**
Pipe Fittings **6**
Valves and Faucets **8**
Plumbing Materials – Miscellaneous **10**

STEEL or WROUGHT IRON PIPE DATA

IPS Size		Standard		Extra Strong		Double Extra Strong	
Nominal I.D.	O.D.	I.D.	Lbs./ft.	I.D.	Lbs./ft.	I.D.	Lbs./ft.
1/8”	0.405"	0.269"	0.245	0.215"	0.314	–	–
1/4”	0.540"	0.364"	0.425	0.302"	0.535	–	–
3/8	0.675"	0.493"	0.568	0.423"	0.738	–	–
1/2”	0.840"	0.622"	0.852	0.546"	1.087	0.252"	1.714
3/4	1.050”	0.824"	1.134	0.742"	1.473	0.434"	2.440
1”	1.315"	1.049"	1.684	0.957"	2.171	0.599"	3.659
1-1/4”	1.660"	1. 380"	2.281	1.278”	2.996	0.896"	5.214
1-1/2"	1.900"	1.610"	2.731	1.500"	3.631	1.100”	6.408
2”	2.375"	2.067"	3.678	1.939"	5.022	1.503"	9.029
2-1/2"	2.875"	2.469"	5.819	2.323"	7.661	1.771"	13.695
3”	3.500"	3.068"	7.616	2.900"	10.252	2.300”	18.583
3-1/2”	4.000"	3.548"	9.202	3.364"	12.505	2.728"	22.850
4"	4.500"	4.026”	10.889	3.826”	14.983	3.152"	27.541
5”	5.563"	5.047"	14.810	4.813"	20.778	4.063"	38.552
6"	6.625"	6.065"	19.185	5.761"	28.573	4.897"	53.160

PIPE AND TUBING

PIPE, WATER, GALVANIZED, Standard Weight

Description: Schedule 40 for ordinary uses.

Per ASTM: A53

Approved Manufacturer: Domestic Manufacturing Co.

Stock Unit: FT

Stock No.	Nominal ID, in.
710363	3/8
710364	1/2
710365	3/4
710366	1
710367	1-1/4
710368	1-1/2
710369	2
710370	2-1/2

TUBING, CHROMIUM-PLATED COPPER

Description: Closet or lavatory supply tubing.

SCL Matl. Std.: none

Stock Unit: FT

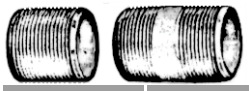
Stock No.	OD, in.	Length, ft.
745801	1/2	6

THE NEXT PAGE (71-3) RESERVED FOR FUTURE USE.

PIPE FITTINGS

NIPPLES, WROUGHT STEEL, GALVANIZED

Standard weight, 150 Pound. Per Fed. Spec. WW-N-351, Type I.
Stock Unit: EA



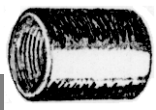
Stock No.	Length, In.	IPS, In.
712781	Close	1/8
712861	3	1/8
712782	Close	1/4
712802	1-1/2	1/4
712822	2	1/4
712862	3	1/4
712882	3-1/2	1/4
712922	4-1/2	1/4
712982	6	1/4
712783	Close	3/8
712803	1-1/2	3/8
712823	2	3/8
712863	3	3/8
712883	3-1/2	3/8
712903	4	3/8
712943	5	3/8
712983	6	3/8
712784	Close	1/2
712804	1-1/2	1/2
712824	2	1/2
712844	2-1/2	1/2
712864	3	1/2
712884	3-1/2	1/2
712904	4	1/2
712924	4-1/2	1/2
712944	5	1/2
712964	5-1/2	1/2
712984	6	1/2

Stock No.	Length, In.	IPS, In.
713004	7	1/2
713024	8	1/2
712785	Close	3/4
712805	1-1/2	3/4
712825	2	3/4
712845	2-1/2	3/4
712865	3	3/4
712885	3-1/2	3/4
712905	4	3/4
712925	4-1/2	3/4
712945	5	3/4
712965	5-1/2	3/4
712985	6	3/4
713025	8	3/4
712786	Close	1
712826	2	1
712846	2-1/2	1
712866	3	1
712886	3-1/2	1
712906	4	1
712946	5	1
712966	5-1/2	1
712986	6	1
712787	Close	1-1/4
712827	2	1-1/4
712847	2-1/2	1-1/4
712867	3	1-1/4
712887	3-1/2	1-1/4

Stock No.	Length, In.	IPS, In.
712907	4	1-1/4
712927	4-1/2	1-1/4
712947	5	1-1/4
712987	6	1-1/4
712850	12	1-1/4
712788	Close	1-1/2
712828	2	1-1/2
712848	2-1/2	1-1/2
712868	3	1-1/2
712888	3-1/2	1-1/2
712908	4	1-1/2
712948	5	1-1/2
712988	6	1-1/2
712789	Close	2
712849	2-1/2	2
712869	3	2
712889	3-1/2	2
712909	4	2
712929	4-1/2	2
712949	5	2
712989	6	2
712854	12	2
712790	Close	2-1/2
712910	4	2-1/2
712791	Close	3
712951	5	3

COUPLINGS, GALVANIZED WROUGHT STEEL

Standard Weight, 150 Pound.
Per Fed. Spec. WW-P-521, Type II.
Stock Unit: EA



Stock No.	Size, Inches
711661	1/8
711662	1/4
711663	3/8
711664	1/2
711665	3/4
711666	1
711667	1-1/4
711668	1-1/2
711669	2
711670	2-1/2

PLUGS, SQUARE HEAD, GALVANIZED

Steel or malleable iron. Standard weight, 150 pound.
Per Fed. Spec. WW-P-471, Type II, Style C.
Stock Unit: EA

SOLID HEAD

Stock No.	Size, Inches
713281	1/8
713283	1/4
713285	3/8

CORED HEAD

Stock No.	Size, Inches
713287	1/2
713289	3/4
713291	1
713293	1-1/4
713295	1-1/2
713297	2

PIPE FITTINGS

ELBOWS, GALVANIZED, Malleable Iron
Standard Weight, 150 Pound
Per Fed. Spec. WW-P-521, Type II
SCL Matl Std: none
Stock Unit: EA

90 DEGREE ELBOWS

Stock No.	Size Inches	Stock No.	Size Inches
711901	1/8	711907	1-1/4
711902	1/4	711908	1-1/2
711903	3/8	711909	2
711904	1/2	711910	2-1/2
711905	3/4		
711906	1		

45 DEGREE ELBOWS

Stock No.	Size Inches	Stock No.	Size Inches
711924	1/2	711927	1-1/4
711925	3/4	711928	1-1/2
711926	1	711929	2

90 DEGREE STREET ELBOWS

Stock No.	Size Inches	Stock No.	Size Inches
711942	1/4	711946	1
711944	1/2	711947	1-1/4
711945	3/4	711948	1-112
		711949	2

BUSHINGS, OUTSIDE, HEXAGON, Galvanized
Steel or Malleable iron
Standard weight, 150 pound
Per Fed. Spec. WW-P-471,
Type II, Style C
SCL Matl Std: none
Stock Unit: EA

Stock No.	Size Inches	Stock No.	Size Inches
711172	3/8 x 1/4	711185	1-1/4 x 1
711173	3/8 x 1/8	711186	1-1/4 x 3/4
711174	1/2 x 3/8	711187	1-1/4 x 1/2
711175	1/2 x 1/4	711188	1-1/4 x 3/8
711176	1/2 x 1/8	711189	1-1/2 x 1-1/4
711177	3/4 x 1/2	711190	1-1/2 x 1
711178	3/4 x 3/8	711191	1-1/2 x 3/4
711179	3/4 x 1/4	711192	1-1/2 x 1/2
711181	1 x 3/4	711193	2 x 1-1/2
711182	1 x 1/2	711194	2 x 1-1/4
711183	1 x 3/8	711195	2 x 1
711184	1 x 1/4	711196	2 x 3/4
		711197	2 x 1/2
		711198	2-1/2 x 2
		711203	3 x 2

CAPS, GALVANIZED
Steel or Malleable Iron
Standard Weight, 150 Pound
Per Fed. Spec. WW-P-521, Type II
SCL Matl Std: none
Stock Unit: EA

Stock No.	Size Inches	Stock No.	Size Inches
711343	3/8	711348	1-1/2
711345	3/4	711349	2
711346	1	711350	2-1/2
711347	1-1/4	711351	3
		711353	4

PIPE FITTINGS

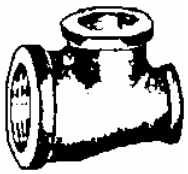
TEES, Malleable Iron, Galvanized

Description: Pressure rating, Class 150 (ASME/ANSI B16.3) 150 psi.
SCL Matl. Std.: none
Stock Unit: EA

Stock No.	Size, in.
713542	1/4
713543	3/8
713544	1/2
713545	3/4
713546	1
713547	1-1/4
713548	1-1/2
713549	2

REDUCING TEES, Malleable Iron, Galvanized

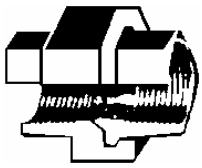
Description: Pressure rating, Class 150 (ASME/ANSI B16.3) 150 psi.
SCL Matl. Std.: none
Stock Unit: EA



Stock No.	Size, in.
713639	2 x 2 x 1

UNIONS, Malleable Iron, Galvanized

Description: Pressure rating, Class 150 (ASME/ANSI B16.3) 150 psi, brass or copper seat.
SCL Matl. Std.: none
Stock Unit: EA



Stock No.	Size, in.
713822	1/4
713823	3/8
713824	1/2
713825	3/4
713826	1
713827	1-1/4
713828	1-1/2
713829	2

REDUCERS, Malleable Iron, Galvanized

Description: Pressure rating, Class 150 (ASME/ANSI B16.3) 150 psi.
SCL Matl. Std.: none
Stock Unit: EA

Stock No.	Larger Size, in.	Smaller Size, in.
713380	1/4	1/8
713381	3/8	1/4
713383	1/2	3/8
713384	1/2	1/4
713386	3/4	1/2
713387	3/4	3/8
713388	3/4	1/4
713389	1	3/4
713390	1	1/2
713393	1-1/4	1
713396	1-1/2	1-1/4
713397	1-1/2	1
713398	1-1/2	3/4
713400	2	1-1/2
713401	2	1-1/4
713402	2	1

FLOOR FLANGES, Galvanized

SCL Matl. Std.: none
Stock Unit: EA

Stock No.	Size, in.
712105	3/4
712106	1
712107	1-1/4
712108	1-1/2
712109	2

VALVES AND FAUCETS

VALVES, GATE, BRONZE, 125 pound, Threaded

Wedge disc, non-rising stem
Per Fed. Spec. WW-V-54, Type 1, Class A
Approved Manufacturers: Grinnell, Hammond, Red & White
SCL Matl. Std.: none
Stock Unit: EA

Stock No	Size, in
713972	1/4
713973	1/2
713974	3/4
713975	1
713976	1-1/4
713977	1-1/2
713978	2

VALVES, GLOBE, BRONZE, 125 Pound

Per Fed. Spec. WW-V-51, Type 1, Class A
Approved Manufacturers: Grinnell, Hammond, Red & White
SCL Matl. Std.: none
Stock Unit: EA

Stock No	Size, in
713902	1/4
713903	3/8
713904	1/2
713905	3/4
713906	1

VALVES, GLOBE, 90 DEGREE, BRONZE, 125 pound

Per Fed. Spec. WW-V-51, Type II, Class A
Approved Manufacturers: Grinnell, Hammond, Red & White

SCL Matl. Std.: none
Stock Unit: EA

Stock No.	Size, in
713925	3/4
713926	1

VALVES, BALL, BRONZE, W. O. G.

SCL Matl. Std.: none
Stock Unit: EA

Stock No.	Size, in	Approved Manufacturers & No.
714076	1	Apollo 75-105 Watts B6000LL

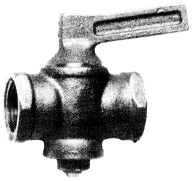
STOP, TUBE, ANGLE

SCL Matl. Std.: none
Stock Unit: EA

Stock No	Size, in
713488	1/2 IPS x 1/2 OD

STOP, COCK, ROUGH BRASS

SCL Matl. Std.: none
Stock Unit: EA



Stock No	Size, in	Description
711503	3/4	Removable handle, reversible check and tapped drain.

BIBBS, ROUGH BRASS

SCL Matl. Std.: none
Stock Unit: EA

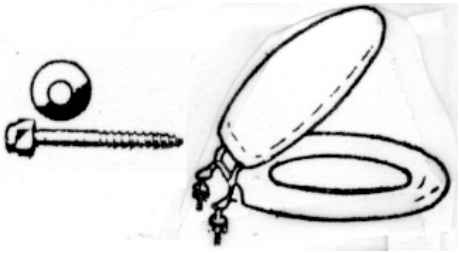
Stock No	Size, in
711073	3/4

PLUMBING MATERIALS – MISCELLANEOUS

WATER CLOSET PARTS

Per Fed. Spec. WW-P-541
Stock Unit: EA

Stock No.	Description
711075	SCREW, brass closet, 1/4" x 2-1/2", with plated removable brass head.
723301	SEAT, toilet, for round bowl, white, polystyrene, closed front, with cover Church-5320.098, Stasco 25



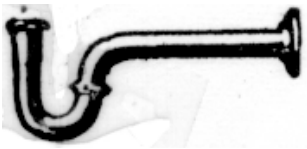
SINK STRAINER

With metal stopper, cup type, 3-1/2" inside diameter, I" deep, US26 finish - Per Fed. Spec. WW-P-541, Type 82.
Stock Unit: EA
Stock No.
723334

TRAPS, "P", CHROME PLATED

Crane 8-394
Stock Unit: EA

Stock No.	Size Inches
713782	1-1/4
713783	1-1/2



STRAP HANGER, PERFORATED

Low carbon steel, hot-dipped galvanized
Stock Unit: CO

Stock No.	Width Inches	Length Feet	Gauge
745074	3/4	10	28

72 building materials

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PLYWOOD GRADING INFORMATION

PLYWOOD - Plywood veneers are graded as follows:
(See Commercial Standard CS 45 for complete description of grades.)

GRADE N - Intended for natural finish. Shall be smoothly cut 100 percent heart wood, free from knots, knot holes, pitch pockets, open splits, other open defects and stain.

GRADE A - Suitable for painting. Shall be firm, smoothly cut and free from knots, pitch pockets, open splits, and other open defects. Permits total of 18 repair patches neatly made parallel to the grain.

GRADE B - Shall be solid and free from open defects. Permits slightly rough but not torn grain, minor sanding and patching defects, including sander skips not exceeding 5 percent of panel area. Permits sound knots up to 1 inch.

GRADE C - Permits sanding defects that will not impair the strength and serviceability of the panel. Tight knots 1-1/2" in diameter. Permits, knotholes, pitch pockets, splits, borer holes if neatly repaired.

GRADE D - (May be used only in interior type panels.) Permits any number of plugs,patches, shims, worm or borer holes, sanding defects, etc., that do not seriously impair the strength and serviceability of the panel. Allows open knotholes and splits.

OVERLAYS - Overlaid plywood is Douglas fir plywood to which has been added resin, impregnated fiber faces on both sides.

PLYWOOD CONSTRUCTION AVAILABLE
The following tables indicate grades and types of plywood available. City Light stocks grades as indicated. Other grades should be specified and purchased on special order.

TABLE 1. INTERIOR TYPE GRADES - MINIMUM QUALITY VENEERS

Grade	Face	Back	Inner Plies	Additional Limitations	Stock	Special Order
N-N,Int.(Natural Finish Two Sides)	N	N	C	Sanded 2 sides		X
N-A Int.(Natural Finish)	N	A	C	Sanded 2 sides		X
N-D Int.(Natural Finish One Side)	N	D	D	Sanded 2 sides		X
A-A, Int.	A	A	D	Sanded 2 sides		X
A-B, Int.	A	B	D	Sanded 2 sides		X
A-D, Int.	A	D	D	Sanded 2 sides		X
B-B,Int.(Concrete Form, Int.)	B	B	C (All Inner Piles)	Edge-sealed and, unless otherwise specified mill-oiled. Sanded 2 sides		X
B-B, Int.	B	B	D	Sanded 2 sides		X
B-D, Int.	B	D	D	Sanded 2 sides		X
Int. Underlayment	C (Plugged)	D	C & D	Sanded 2 sides or touch-sanded.		X
C-D (Plugged), Int.	C (Plugged)	D	D	Unsanded or touch- sanded		X
C-D Int. (Sheathing, Int) with Exterior Glue, "CDX".	C	D	D	Unsanded grade	X	
C-D, Int (Sheathing, Int)	D	D	D	Unsanded grade		X

TABLE 2. EXTERIOR TYPE GRADES - MINIMUM QUALITY OF VENEERS

Grade	Face	Back	Inner Plies	Additional Limitations	Stock	Special Order
Marine, Ext.	--	--	---	--------		X
A-A, Ext	A	A	C	Sanded 2 sides.		X
A-B, Ext.	A	B	C	Sanded 2 sides		X
A-C, Ext.	A	C	C	Sanded 2 sides		X
B-B Ext. (Concrete Form, Ext.)	B	B	C	Edge-sealed and unless otherwise specified, mill-oiled. Sanded 2 sides.	X	
B-C, Ext.	B	C	C	Sanded 2 sides		X
C-C, Ext.(Plugged)	C (Plugged)	C	C	Sanded 2 sides or touch sanded		X
C-C,Ext.(Sheathing,Ext)	C	C	C	Unsanded grade		X

PLYWOOD GRADING INFORMATION (Continued)
PLYWOOD

TABLE 3. OVERLAID PLYWOOD – – MINIMUM QUALITY OF VERNEER

Grade	Face	Back	Inner Plies	Stock	Special Order
A-A, Ext. – – High density overlay	A	A	B	–	X
B-B, Ext. – – High density overlay	B	B	B	–	X
B-B, Ext. – – High density concrete form overlay	B	B	B	–	X
B-B, Ext. – – Medium density overlay	B	B	C❖	–	X
B-C, Ext. – – Medium density overlay	B	C	B	X	–

❖ Also available with “B” inner ply.

PLYWOOD, Sanded two sides, 4’ X 8’
Per commercial standards CS-45
Stock Unit: SH (Sheet)

Stock No.	Thickness	Finish	Grade
720726	3/4”	Mill oiled, edge sealed for **exterior use**	B-B-C

THE NEXT PAGE (72-3) RESERVED FOR FUTURE USE.

LUMBER, SURVEY STAKES, AND MARKER POSTS

General Requirement: *Lumber shall meet the requirements of the latest revision of West Coast Lumber Inspection Bureau (WCLIB) Standard No. 16 and National Hardwood Lumber Assn. rules.*

ROUGH LUMBER, Douglas Fir

Description: Construction or Standard grade. In accordance with rule No. 16 WCLIB, Paragraph 122b, 122c, 123b, and 123c.

SCL Material Standard: none
Stock Unit: EA

Stock Number	Size
721216	2″ x 12″ x 16′
721228	3″ x 12″ x 16′
721234	4″ x 4″ x 16′
721236	4″ x 6″ x 16′
721238	4″ x 12″ x 12′

SHORING PLYWOOD

Application: For South Service Center or Civil Construction Crews only.

SCL Material Standard: none
Stock Unit: SH

Stock Number	Size	Plywood Type
720080	1-1/8″ x 4′ x 8′	241 underlayment

MARKER POST, Galvanized

Application: Used to demarcate and delineate rights-of-way boundaries.

SCL Material Standard: none
Stock Unit: EA

Stock Number	Weight, lb. per ft	Holes, in
720700	1.12	3/8 on 1-inch centers

SURVEY STAKES

Description: Western redcedar or Douglas-fir. Five-inch point length.

SCL Material Standard: 7217.80
Stock Number: 012435
Stock Unit: EA

	Size, in		
Stock Number	Nominal	Actual	Overall Length
721785	1 x 2	3/4 x 1-1/2	18
721782	1 x 2	3/4 x 1-1/2	24

ABRASIVE GRADING INFORMATION

ABRASIVE MATERIALS

ALUMINUM OXIDE - A tough manufactured product suitable for cutting steels and materials of high tensile strength.

CROCUS - A fine ferric oxide powder used primarily for polishing.

EMERY - A fine grained mineral, primarily aluminum oxide, largely being replaced by artificial abrasives which are harder and can be graded more uniformly.

FLINT - Grains of crushed quartz used principally for woodworking. Now often replaced by garnet and aluminum oxide which are harder and sharper.

GARNET - At natural mineral used extensively for woodworking with both paper and cloth backing.

PUMICE - A powdered volcanic glass used for cleaning and polishing.

SILICON CARBIDE - An artificial abrasive of processed coke, sand, salt and sawdust. A very hard abrasive but very brittle. Used for cutting or grinding of cast iron, bronze, aluminum, marble and materials of low tensile strength.

GRAIN SIZE AND ARBITRARY NUMBERS

GRAIN SIZE - Designates exact size of sieve opening through which grains of abrasive will pass.

ARBITRARY NUMBERS - Have no relationship to grain size but follow a continuous and logical sequence.

In specifying any abrasive, except flint or emery only, the grain size must be given. For flint or emery, because of variance between manufacturers, specify both grain size and arbitrary number. See table below:

Grit	Grain	Arbitrary Numbers: All Abrasives Except Flint and Emery	Flint	Emery
Very Fine	400	10/0	–	–
	320	9/0	–	–
	280	8/0	–	–
	240	7/0	5/0	–
	220	6/0	4/0	–
Fine	–	–	3/0	–
	180	5/0	–	3/0
	150	4/0	2/0	2/0
	120	3/0	–	1/0
	–	–	1/0	–
Medium	100	2/0	–	–
	–	–	1/2	1/2
	80	1/0	–	–
	–	–	1	1-1/2
	60	1/2	–	2
Coarse	50	1	1-1/2	–
	–	–	2	2-1/2
	40	1-1/2	–	–
	–	–	2-1/2	–
	36	2	–	3
Very Coarse	30	2-1/2	3	–
	24	3	3-1/2	–
	20	3-1/2	–	–

BACKING

CLOTH BACKING - is made in three different weights as follows:

Designating Letter	Type	Yards Per Pound
J	Jeans	3.75
X	Drill	2.75
H	Twill	1.85

PAPER BACKING - is made in the following weights:

Designating Letter	Weight per Ream
A	40 lb.
C	70 lb.
D	100 lb.
E	130 lb.

COATING

CLOSED COATING - An abrasive coating applied in such quantities that the entire backing is covered. This type is used where a rugged surface is needed for a tough job.

OPEN COATING - An abrasive is applied to approximately 50% of backing leaving open spaces between grains. This type Is used where a flexible paper or cloth abrasive is needed or to prevent quick filling between the abrasive grains.

ABRASIVE CLOTH AND PAPER

SCL Matl. Std. All Items: none

ABRASIVE CLOTH

ALUMINUM OXIDE

Description: J-weight backing, closed coating, 9 x 11 inch sheet

Stock Unit: SH

Stock Number	Grit	Grain
722316	Fine	150
722320	Medium	80
722324	Coarse	50
722328	Very Coarse	40

CROCUS

Description: J-weight backing, 9 x 11 inch sheet, fine iron-oxide coated abrasive cloth for light metal sanding removing rust and corrosion from metal surfaces, used after emery or aluminum-oxide cloth is used.

Stock Unit: SH

Stock Number: 722336

ALUMINUM OXIDE, Type 1, Class 2

Description: J-Weight backing, closed coating, 1-inch wide x 50 yd roll

Stock Unit: RL

Stock Number	Grit
722340	100
722344	150

ABRASIVE PAPERS

FINISHING, CLASS 1, Open Coating

Description: 9 x 11 inch sheet P-P-121

Stock Unit: SH

Stock Number	Grit	
723040	150	Silicon Carbide, A-Weight
723044	120	Aluminum Oxide, C-Weight
723046	100	Aluminum Oxide, C-Weight
723048	080	Aluminum Oxide, C-Weight

CABINET CLASS 2, Closed Coating

Description: 9 x 11 inch sheet

Stock Unit: SH

Stock Number	Grit	
723052	60	Aluminum Oxide, C-Weight
723054	50	Aluminum Oxide, C-Weight
723055	40	Aluminum Oxide, D-Weight
723064	24	discontinued

FINISHING, CLASS 1, Open Coating

Description: Silicon Carbide, A-Weight backing, 9 x 11 inch sheet

Stock Unit: SH

Stock Number	Grit	Norton Catalog Number
723121	220	00347 or approved equal

WATERPROOF, Silicon Carbide

Description: A-Weight backing, 9 x 11 inch sheet

Stock Unit: SH

Stock Number	Grit
723106	240
723108	280
723114	320
723120	400

ABRASIVES AND SHARPENING STONES

STEEL WOOL

Description: Steel wool is a bundle of thin metal fibers spun into a pad. Steel wool comes in many grades of coarseness.

Application: Used in finishing and repairing work to polish wood or metal objects, as well as for cleaning. The softness of steel wool permits its use on surfaces like glass, marble and porcelain.

Matl. Std.: none

Stock Unit: PK (Typically, a pack contains approximately 16 or 20 pads)

Stock Number	Grade
777920	1
777930	2
777910	2/0

SANDBLASTING GRIT

Description: Grit, Garnet, #36

Matl. Std.: none

Stock Unit: TN

Stock Number: 721722

SHARPENING STONES, Silicon Carbide

Description: Class A, Type II, Per Fed. Spec. SS-S-736

Matl. Std.: none

Stock Unit: EA

Stock Number	Style	Description
765365	I	rectangular, bench, 8” x 2” x 1”, course one side, fine other side
765375	IV	sythe, oval section, 10” x 1-1/4” x 3/4”

BUILDING MATERIALS, MISCELLANEOUS

BUILDING PAPER
SCL Matl. Std.: none

Stock No.	Stock Unit	Description	Manufacturers
721630	RL	BUILDING PAPER, asphalt saturated felt, unperforated, 15 lb. type, 45 lb., 324 sq. ft. roll	J-M 15, Pabco 111

CAULKING
SCL Matl. Std.: none

Stock No.	Stock Unit	Description	Manufacturer or Specification
726241	EA	SILICON SEALANT COMPOUND, white, 12 oz. cartridge	GE No. RTV-102
723024	LB	OAKUM, No. 5, braided, spun or unspun	Fed. Spec. T-O-56.
726279	QT	GLAZING COMPOUND	DAP ‘33’ #12127-gray
726239	EA	CAULKING COMPOUND, white acrylic latex, interior/exterior, gun grade, in cartridge	“Red Devil” or equal

CONCRETE
SCL Matl. Std.: none

Stock No.	Stock Unit	Description	Manufacturer
720119	SK	MORTAR MIX, in 60 lb. sack	Ready Mix
726245	CN	WATERPLUG, water stop mortar, quick set, cement based, in 10 lb. can, used for temporary barrier around manhole entrances	-

ROOFING
SCL Matl. Std.: none

Stock No.	Stock Unit	Description	Manufacturer
720117	GL	ADHESIVE, multi-purpose, for sheet goods	Armstrong s-235

WALLBOARD
SCL Matl. Std.: none

Stock No.	Stock Unit	Description	Manufacturer
723374	RL	JOINT TAPE, for wallboard, 500 foot roll	-
726066	GL	TOPPING, for plasterboard, finishing coat, 5 gal. pail	Redimix

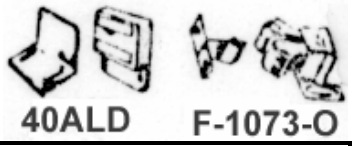
BUILDING HARDWARE FINISH SYMBOLS, BOLTS, CATCHES, SHELF BRACKET & DOOR STOP

STANDARD FINISHES FOR BUILDERS' HARDWARE

SYMBOL..... GENERAL DESCRIPTION
USP..... Primed for painting
US1B..... Bright japanned
US1D..... Dead Black
US2C..... Cadmium plated❖
US2G ..... Zinc coated
US2H..... Zinc coated - hot-dipped
US3 ..... Bright brass
US4 ..... Dull brass
US10 ..... Dull Bronze
US14 ..... Nickel plated
US26 ..... Chromium plated
US26D..... Chromium plated, dull
US27 ..... Satin aluminum, lacquered
US28 ..... Satin aluminum, anodized🖫
US32 ..... Stainless Steel

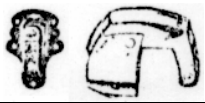
❖ Either cadmium or zinc, electroplated may be furnished for US2C.
🖫 Finish US28 is subject to slight variations in color when applied to different aluminum alloys. Ordinarily, such variations are not objectionable and are acceptable for City Light use.

CATCHES, CABINET
Stock Unit: EA



Stock No.	Description
722275	Magnetic, US 28 Finish, Stanley 40ALD
722292	Roller, Steel Bayonet, U. S. Type F-1073-0 Fed. Spec. FF H-00111

CATCHES, MISCELLANEOUS
Stock Unit: EA



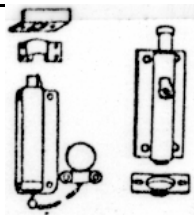
Stock No.	Description
722268	Chest, Suitcase, 1-1/2" x 2-3/4", US3 Finish
722293	Screen Door, Wrought Steel, US1 B Finish, Stanley 210

BOLTS, CELLAR WINDOW
US1B Finish
Stock Unit: EA

Stock No.	Size Inches
722046	2-1/2
722047	3

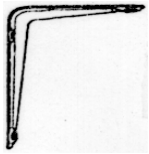
BOLTS, DOOR
6" Length, US1B Finish
Per Fed. Spec. FF-H-00111
Stock Unit: EA

Stock No.	Description
722050	Chain, Type F-1023-A

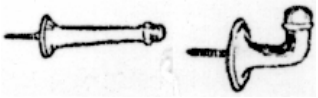


BRACKETS, SHELF
US1B Finish, Type F-1068
Per Fed. Spec. FF-H-00111

Stock No.	Stock Unit	Size Inches
722076	EA	6 x 8
722077	PR	8 x 10
722078	PR	10 x 12



STOP, DOOR, BASEBOARD
Per Fed. Spec. FF-H-00111
Stock Unit: EA



Stock No.	Description
723338	Cast iron or zinc with rubber tip. Type F-1331

BUILDING HARDWARE: HOOKS AND HASPS

HOOKS, Hat and Coat

Description: brass, Type 1172,
Per. Fed. Spec. FF-H-111
Stock Unit: EA

Stock No.	Size, in
722752	3

HOOKS, Cup, Brass

Stock Unit: EA

Stock No.	Size, in
722756	3/4
722758	1

HASP, Safety Type, with Loose Staple

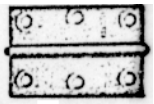
Stock Unit: EA

Stock No.	Size, in	Note
722648	4-1/2	Material Control may evaluate and select this product without prior approval from Standards

BUILDING HARDWARE – HINGES

HINGES, BUTT, LIGHT, NARROW, GENERAL UTILITY

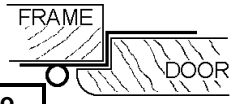
Stock Unit: EA



Stock No.	Size Inches	Pin	Finish	Cat. No.
722132	2 x 1-9/16	Loose	PS	Stanley 840PS Hager 1840PS
722159	3 x 2	Fast	PS	Stanley 838PSHager 1838PS

HINGE, CABINET

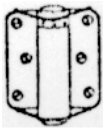
Wrought Steel, for 3/8" inset doors
Stock Unit: EA



Stock No.	Finish	Mfrs. Cat. No.
722678	US26	Amerock 1535 Stanley 1540

HINGES, SCREEN DOOR

Adjustable tension, wrought steel
Stock Unit: EA



Stock No.	Size Inches	Surface	Bommer Cat. No.
722686	3 x 3	Full	2100

HINGE, STRIP, Undrilled Stainless Steel

Per City Light Spec. 7226.6
Stock Unit: FT

Stock No.	Open Width	Thickness	Pin Dia.
722658	1-1/16"	0.040" ± 0.005"	0.102"
722660	2"	0.062" ± 0.005"	0.125"

HINGE, STRAP, Galv. Steel, with Screws

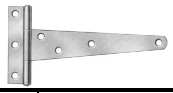
Stock Unit: EA

LIGHT DUTY

Stock No.	Size	Stanley Cat. No.	Hager Cat. No.
722698	3"	Sc900R	WS1900-US2H
722702	4"	Sc900R	WS1900-US2H
722710	6"	Sc900R	WS1900-US2H

HINGE, TEE, Galv. Steel, Brass Pins

Stock Unit: EA



LIGHT DUTY

Stock No.	Size	Stanley Cat. No.	Hager Cat. No.
722726	4"	Sc904RBP	WS1904-US2H

HEAVY DUTY

722738	6"	Sc908RBP	WS1908-US2H
722742	8"	Sc908RBP	WS1908-US2H

HINGE, BUTT, Utility, Broad, Steel

Stock Unit: EA

Stock No.	Size	Finish	Pin	Cat. No.
722153	2" X 2"	PS	Fast	Stanley 808PS Hager 1808

HINGE, BUTT, for Medium Weight Doors

Steel, loose pins
Stock Unit: EA

Stock No.	Size	Finish	Cat. No.
722139	2-1/2" X 2-1/2"	US2H	McKinney 703-2H Hager 1241-US2H
722162	3-1/2" X 3-1/2"	US4	Stanley 241F Hager 1241-US4
722142	4" x 4"	US26	Stanley 241CM Hager 1241-US26

HINGE, CABINET, Brass, Ornamental

Stock Unit: EA

Stock No.	Size	Type	Mfrs. Cat. No.
722662	1-3/8" X 1-3/8"	Box	Brainerd 76XC
722666	1-7/8" X 3"	Box	Brainerd 75XC
722670	1-1/2" X 2-1/2"	Butter -fly	Stanley CD1475

THE NEXT PAGE (72-15) RESERVED FOR FUTURE USE.

CORD, ROPE, CHAIN, PAPER BAGS AND WRAPPING PAPER

TWINE, Miscellaneous

SCL Matl. Std.: none

Stock No.	Stock Unit	Description
727342	RL	COTTON, Wrapping, 24 ply
727358	RL	MARLINE, Tarred, 2 ply, 1/8-in diameter
727366	RL	DOMESTIC OR SISAL, 2 ply, in 5 lb. or 10 lb. balls
727340	EA	YARN, Cotton, white, dry type on 3 oz spools

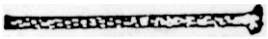
ARMATURE CORD, Waxed Linen

SCL Matl. Std.: none
Stock Unit: RL

Stock No.	Size No.
727022	6
727023	8
727024	9

SASH CORD

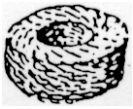
SCL Matl. Std.: none
Stock Unit: FT



Stock No.	Size No.
727032	6
727034	8

ROPE, Synthetic Fiber

SCL Matl. Std.: 7272.2
Stock Unit: FT



Stock No.	Size, in
727230	1/4 (poly barrier)
727232	7/16
727233	1/2
727234	3/4
727239	1

CHAIN, Alloy Steel

Special Instruction: For **Stock Number 726934** please **Notify Warehouse** at least 2 hours prior to need. **Grade 80 alloy chain** (3/8-inch) must be cut by steel shop. A work order number is **Required** for cutting.

ASTM Std.: A 391M, Grade 80 (Grade 100 is an acceptable alternative for Grade 80)

Stock Unit: EA

Stock No.	Nominal Size, in	Maximum Working Load Limit, lbs	Nominal Weight per 100 ft
726918	9/32	3,500	84
726934*	3/8	7,100	176

* See special instruction above.

CHAIN, Weldless Sash

SCL Matl. Std.: none
Stock Unit: FT

Stock No.	Trade Number	Breaking Load, Minimum, lbs.	Material
726992	35	435	bronze

CHAIN, Passing Link

Description: 3/16-inch, 2/0, bright welded steel.
SCL Matl. Std.: none
Stock Unit: EA
Stock No.: 726902

PAPER BAGS, Heavy Duty

SCL Matl. Std.: 7268.1
Stock Unit: EA

Stock No.	Bag No.	Approximate Dimensions, in		
		Face	Bottom	Length
726810	2	4-1/16	2-1/2	8-1/4
726818	6	6	3-5/8	11
726828	16	7-3/4	4-7/8	15-3/4
726832	625	8-3/8	6-1/8	15-3/4
726834	86	12	7	17

WRAPPING PAPER, Unbleached Kraft No. 2

Description: 30-inch width.
SCL Matl. Std.: none
Stock Unit: RL
Stock No.: 727228

BUILDING MATERIALS
GASKET MATERIAL, TARPS, & MASKING & NON-SKID TAPES

GASKET MATERIAL

Cork and synthetic rubber composition (Buna N)
Per C.L. Matl. Std. 7276.9
Stock Unit: SF, □Except for 727714 which is RL

Stock No.	Thickness Inches	Description
727686	1/8	Sheet 36"x 36"
727687	3/16	Sheet 36"x 36"
727696	3/8	Sheet 36"x 36"
□727714	1/4	Roll 40" wide

GASKET MATERIAL

Synthetic nitrile rubber (Buna N)
36" x 36" sheets or 185 pound roll
Per C.L. Matl. Std. 7276.9
Stock Unit: SF

Stock No.	Thickness Inches
727706	1/16
727708	1/8
727710	3/16
727712	1/4

GASKET MATERIAL

Synthetic nitrile rubber
0.375" x 0.375" cross section in 100 foot rolls
Stock Unit: FT

Stock No.	Approved Manufacturer
727720	GE #12C11E7

VIBRATION DAMPER, Waffled Cork & Neoprene Pad

Issue to crew in smallest stock pieces to do job.
Remainder of sheet to be returned to stock.

Stock No.	Stock Unit
727716	1"x18"x36" sheet (SH) (purchased)

CHEESE CLOTH and BURLAP SACKS

Stock No.	Stock Unit	Description
726838	EA	SACKS, good used burlap
727008	EA	CLOTH, cheese

TARPAULINS, VINYL COATED NYLON

Color - 1802 Yellow, with No. 4 size grommets at 3 ft. intervals around perimeter.
Stock Unit: EA

Stock No.	Size Feet
765830	8 x 10
765835	10-1\2 x 12

TAPE, MASKING, PRESSURE SENSITIVE

Per C.L. Matl. Std. 7367.1
Stock Unit: RL

Stock No.	Width Inches
736702	3/4
736704	1
736710	2

TAPE, NON SKID

For use on steel, vault ladders
Stock Unit: RL

Stock No.	Width Inches
736715	1

BUILDING MATERIALS, SHEETING

SHEETING, Polyethylene, Clear

Description: clear plastic polyethylene sheeting

Application: for general use as coverings

Packaging: Sheets shall be folded lengthwise four times, rolled, and packaged one sheet per roll.

Approved Manufacturers: Seattle City Light Material Control personnel will identify and approve distributors, and manufacturers, for these Stock Numbers.

SCL Matl Std: none

Stock Unit: RL

Stock No	Thickness, mils	Width, ft	Length, ft
726839	6	20	100
726840	6	40	100

BUILDING MATERIAL – PAINT

Color Standards *– Federal Standard 595 shall be used as a color guide for colors used by City Light. Strict adherence to this standard will simplify matching colors and ordering.*

ENAMEL, Marine
SCL Matl. Std.: none
Stock Unit: GL

Stock No.	Color	Manufacturer and Catalog No.			
		C–C	DuPont	Glidden	Parker
724354	black	1099	Dulux 603	1804	–
724484	white	1092	Dulux 600	1800	0100010

PAINT, Exterior
SCL Matl. Std.: none
Stock Unit: GL

Stock No.	Color	Description
724432	metal mist - white	Exterior enamel semi-gloss
724564	white	Exterior acrylic latex, low gloss, light tint base

PAINT, Interior
SCL Matl. Std.: none
Stock Unit: GL

Stock No.	Color	Description	Approved Manufacturers
724434	metal mist - white	Interior enamel satin latex	–
724982	white	Undercoat for enamel	Wash. State Spec. S-63-64-A
724478	white	Flat acrylic latex	C-C "Aplex 475", Glidden 3400, Dutch Boy "Naplex 72-00"

ENAMEL, Porch and Deck, Latex
SCL Matl. Std.: none
Stock Unit: GL

Stock No.	Color	Manufacturer and Cat. No.
724372	pewter gray	C&C Armorplex #4030

PAINT, Traffic Marking
Description: Alkyd base traffic paint.
SCL Matl. Std.: none
Stock Unit: GL

Stock No.	Color
724776	white

ENAMEL, Gloss, 13 oz. Aerosol Cans
SCL Matl. Std.: none
Stock Unit: CN

Stock No.	Color	Approved Manufacturer or Spec.	
		Crown Cat. No.	Kerpo Cat. No.
724358	black	73	K-23
724512	yellow	62	K-12
724513	safety red	Federal Spec. 595-A Color #1105	
724514	white	Federal Spec. 595-A Color #300	

PAINT, Flat Primer
Description: Air dry primer for use in spray booths.
SCL Matl. Std.: none
Stock Unit: GL

Stock No.	Color	Approved Manufacturer
725020	white	Degraco Primer 95527

BUILDING MATERIAL - PAINT

PAINTS AND PRESERVATIVES FOR METAL

SCL Matl. Std.: none

Stock Number	Stock Unit	Description	Approved Products
725128	QT	aluminum, ready mix	Rustoleum
725130	CN	cold galvanizing in 12 oz spray can	LPS 00516 Sprayon S00740
725694	EA	polymeric rust converter in 15 oz aerosol can	National Chemsearch Corporation, Conquest 5563
724830	GL	aluminum pigmented varnish base for metal protection	Mobil "Alumicolor" Parkway Green 11-A48

SPRAY PAINT, Survey and Construction Marking

Application: For use on soil, grass, gravel, concrete, asphalt, concrete, wood, and metal for marking underground facilities, warning of construction site hazards, surveying, and other inverted spray uses.

Solvent-based Stock Number 013005 should be used only in situations where long-lasting durability is required.

Asphalt black, Stock Number 724782, is used to spray over other colors.

SCL Matl. Std.: 7240.80

Stock Unit: CN

Stock Number	Color	Base
724780	bright white	water
724786	red fluorescent	water
724779	orange fluorescent	water
724785	bright blue	water
724787	bright yellow	water
013005	red fluorescent	solvent
724782	asphalt black	solvent

SEALERS AND VARNISHES, General Purpose

SCL Matl. Std.: none

Stock Number	Stock Unit	Description	Approved Products
725704	GL	linseed oil, boiled	per ASTM D260
724910	QT	sealer, clear, resinous, for brushing or spraying	Rez, Wesco, Laux Resin
725386	GL	spar varnish, all purpose, water white	Farwest 670
724911	GL	lacquer sealer sanding	–

PAINT, ADDITIVE, MILDEWCIDE

Application: For reducing paint mildew in damp locations.

SCL Matl. Std.: none

Stock Unit: EA

Stock Number	Approved Products
725231	Cowan & Campbell ADD-X No. 60103

SOLVENTS, THINNERS, AND ADDITIVES

SCL Matl. Std.: none

Stock Number	Stock Unit	Description	Approved Products
725238	QT	acetone	per ASTM Spec. D 329
725286	GL	lacquer thinner - cellulose nitrate	Jarvie #10
725294	GL	paint thinner, volatile petroleum spirits	Chevron 350, Preservative Paint 49-3
725334	GL	synthetic resin reducer and dryer	–

PUTTY, SEALERS AND ELECTRICAL INSULATING VARNISHES

PUTTY AND FILLERS

Stock No.	Stock Unit	Description	Manufacturer
725662	EA	PLASTIC WOOD FILLER	Per Fed. Spec. TT-F-340
725760	LB	WATER PUTTY	Durhams Rockhard
725788	CN	SPACKLING PASTE	Synkoloid, C&C

SEALERS AND VARNISH, Insulating, Electrical

Stock No.	Stock Unit	Description	Manufacturer
725471	QT	VARNISH, INSULATING, clear, air drying (Glyptal).	GE 1202
725472	GL	VARNISH, INSULATING, clear, air drying (Glyptal).	GE 1202
725488	GL	VARNISH, INSULATING, red, synthetic (Glyptal).	GE 1201
725474	CN	SEALER, INSULATING, clear (Glyptal), in 16 oz. spray can.	3M 1601-16

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Wiring Supplies – Cable Ties, Tags and Duct Tape	***40***
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PVC Conduit Fittings	***52***
PVC Conduit Fittings	***53***
Schedule 80 PVC Conduit	***56***
Fiberglass Conduit and Adhesive	***60***
Fiberglass Elbows (Sweeps) and Fittings	***62***
Aluminum Conduit and Elbows	***65***
Zinc-Coated Steel Conduit and Elbows	***70***
Iron and Zinc-Coated Steel Conduit Fittings	***72***
Steel Conduit Bushings, Locknuts and Clamps, Grounding and Non-Grounding	***74***
Conduit Accessories	***78***

THINWALL STEEL CONDUIT (EMT) AND FITTINGS

CONDUIT, EMT, Thinwall

Description: Steel electrical metallic tubing (EMT)

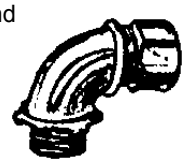
Application: EMT conduit is used to construct smooth, exposed or concealed raceways for the pulling in of low voltage wire or cable.

SCL Matl. Std.: 7030.05

Stock Unit: FT

Stock No.	Size, in
734880	1/2
734881	3/4
734882	1

ELBOW, 90 Degree, Short, Thinwall



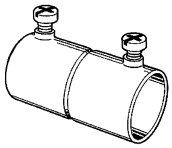
Description: rain and concrete tight; per ANSI C80.3

SCL Matl. Std.: none

Stock Unit: EA

Stock No.	Size, in
731196	1/2

COUPLING, Set Screw, Thinwall, Steel



Description: concrete tight when taped; per NEMA FB 1

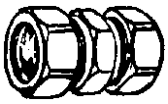
SCL Matl. Std.: none

Stock Unit: EA

Stock No.	Size, in	RACO, or equal
012287	1/2	2022
012288	3/4	2023
012289	1	2024

COUPLING, Compression, Thinwall

Description: rain and concrete tight; per NEMA FB 1

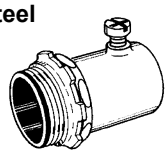


SCL Matl. Std.: none

Stock Unit: EA

Stock No.	Size, in
731181	1/2
731182	3/4
731183	1

CONNECTORS, Insulated Throat, Set Screw, Thinwall Steel



Description: concrete tight when taped; per NEMA FB 1

SCL Matl. Std.: none

Stock Unit: EA

Stock No.	Size, in	RACO, or equal
012290	1/2	2122
012291	3/4	2123
012292	1	2124

CONNECTORS, Compression, Thinwall

Description: rain and concrete tight; per NEMA FB 1

SCL Matl. Std.: none

Stock Unit: EA

Stock No.	Size, in
731189	1/2
731190	3/4
731191	1

CONNECTOR, Screw-In, Compression

Description: fitting for metallic conduit

SCL Matl. Std.: none

Stock Unit: EA

Stock No.	Size, in	Steel City, or equal	Bridgeport, or equal
731038	1/2	XC-241	520-DC2
731040	3/4	XC-242	521-DC2
731042	1	XC-243	522-DC2

FLEXIBLE CONDUIT AND FITTINGS

CONDUIT, Flexible, Steel

Description: per WW-C-566
SCL Matl. Std.: none
Stock Unit: FT

Stock No.	Trade Size, in
734895	1/2
734896	3/4
734897	1

CONDUIT, Flexible, Liquidtight, Steel

SCL Matl. Std.: none
Stock Unit: FT

Stock No.	Trade Size, in
012096	1/2
012097	3/4

CONNECTOR, Flexible, Liquidtight, Insulated

SCL Matl. Std.: none
Stock Unit: EA

Stock No.	Type	Trade Size, in
012088	straight	1/2
012089	straight	3/4
012090	90 degree	1/2
012091	90 degree	3/4

CONNECTOR, Squeeze-Type, Malleable Iron

Application: for armored cable or flexible conduit
SCL Matl. Std.: none
Stock Unit: EA

Stock No.	Trade Size, in
731027	3/8
731028	1/2
731029	3/4
731030	1
731032	1-1/2

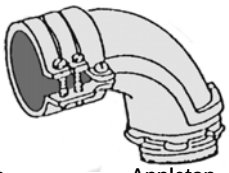
ANGLE CONNECTOR, 45 Degree, Squeeze

Application: for flexible conduit
SCL Matl. Std.: none
Stock Unit: EA

Stock No.	Trade Size, in	Appleton Cat. No.
731047	1/2	7246 V
731048	3/4	7247 V

ANGLE CONNECTOR, 90 Degree, Squeeze

Application: for flexible conduit
SCL Matl. Std.: none
Stock Unit: EA



Stock No.	Trade Size, in	Appleton Cat. No.
731049	3/8	7380 V
731050	1/2	7381 V
731051	3/4	7382 V
731052	1	7383
731053	1-1/4	7384

CONDUIT FITTINGS

CONDUIT REDUCER, Threaded

Description: steel or malleable iron, galvanized

SCL Matl. Std.: none

Stock Unit: EA

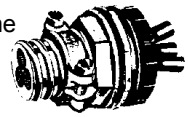
Stock No.	Trade Size, in
731301	3/4 x 1/2
731302	1 x 1/2
731310	1 x 3/4
731311	1-1/4 x 3/4
731318	1-1/4 x 1
731312	1-1/2 x 3/4
731319	1-1/2 x 1
731325	1-1/2 x 1-1/4
731331	2 x 1-1/2

CONNECTOR, Armored Cable Terminator

Description: for nominal diameter over armor of 0.45 in minimum to 0.62 in maximum

SCL Matl. Std.: none

Stock Unit: EA



Stock No.	Size, in	OZ/Gedney Cat. No.
731059	0.45 min. 0.62 max.	PK 75 A

CONNECTOR, Aluminum Sheath Terminator

Description: with heat shrink sealing; size range 0.25 to 0.65 inches

SCL Matl. Std.: none

Stock Unit: EA

Stock No.	Size, in	Length, in	Raychem Cat. No.
731090	3/4	2.75	CFTS-2

CONNECTOR, 3/4-Inch, Straight Body Male Thread

(1) (2) (3) (4)

Description: complete connector (1) with body (2), gland nut (3) and Neoprene bushing (4); gland nut and Neoprene bushing available separately; cable range, 0.250 to 0.375 in

SCL Matl. Std.: none

Stock Unit: EA

Stock No.	Part	Crouse-Hinds (Cooper) Cat. No.
010692	connector (1)	CGB293
733156	nut (3)	NUT95
733154	bushing (4)	BUSH95

CONNECTOR, 1/2-Inch, Straight Body Male Thread

(1) (2) (3) (4) (5)

Description: complete connector with locknut (1), sealing gasket (2), body (3), Neoprene bushing (4), and gland nut (5)

SCL Matl. Std.: none

Stock Unit: EA

Stock No.	Cable Range Dia., in	Crouse-Hinds (Cooper) Cat. No.
012522	0.125-0.250	CGB192-SG
012523	0.250-0.375	CGB193-SG
012524	0.375-0.500	CGB194-SG

CONNECTOR, Hub, Watertight

Description: with O-ring gasket

SCL Matl. Std.: 7311.4

Stock Unit: EA

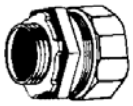
Stock No.	Trade Size, in
012092	1/2
731130	3/4
731131	1

CONNECTOR, 2-Inch, Rigid Conduit, Threadless

Description: electro-galvanized malleable iron, per NEMA FB 1

SCL Matl. Std.: none

Stock Unit: EA



Stock No.	Manufacturer	Cat. No.
731115	Appleton	NTC-200
	O-Z/Gedney	31-200
	Raco	1808
	Steel City	HC406
	T&B	8621

CONNECTOR, Non-Metallic Sheathed Cable

Description: two screw, per NEMA FB 1

SCL Matl. Std.: none

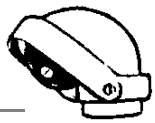
Stock Unit: EA

Stock No.	Size, in
731001	3/8

SERVICE ENTRANCE CAPS

SERVICE ENTRANCE CONDUIT CAP

Description: aluminum, threadless
SCL Matl. Std.: 7314.4
Stock Unit: EA



Stock No.	Trade Size, in
731425	1/2
731426	3/4
731427	1
731428	1-1/4
731429	1-1/2
731430	2
731431	2-1/2
731432	3
731433	3-1/2
731434	4

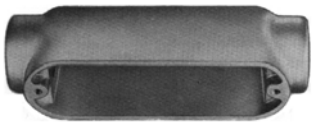
SERVICE ENTRANCE CONDUIT CAP

Description: aluminum, cable size 3 - #4, 3 - #2
SCL Matl. Std.: none
Stock Unit: EA

Stock No.	Manufacturer and Cat. No. Bridgeport
731439	1220

CONDULETS

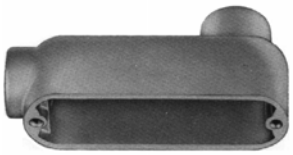
TYPE "C", Al or Steel



Description: aluminum or galvanized steel, complete with gasket and cover
SCL Matl. Std.: 7325.1
Stock Unit: EA

Stock No.	Trade Size, in
732527	1/2
732528	3/4

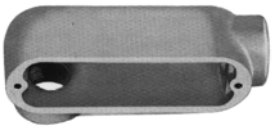
TYPE "LB", Al or Steel



Description: aluminum or galvanized steel, complete with gasket and cover
SCL Matl. Std.: 7325.1
Stock Unit: EA

Stock No.	Trade Size, in
732574	1/2
732575	3/4
732576	1
732577	1-1/4
732578	1-1/2
732579	2
732580	2-1/2
732581	3

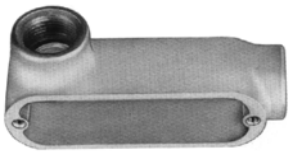
TYPE "LR", Al or Steel



Description: aluminum or galvanized steel, complete with gasket and cover
SCL Matl. Std.: 7325.1
Stock Unit: EA

Stock No.	Trade Size, in
732607	1/2
732608	3/4
732609	1
732610	1-1/4
732611	1-1/2
732612	2

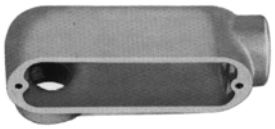
TYPE "LL", Al or Steel



Description: aluminum or galvanized steel, complete with gasket and cover
SCL Matl. Std.: 7325.1
Stock Unit: EA

Stock No.	Trade Size, in
732596	1/2
732597	3/4
732598	1
732600	1-1/2
732601	2

TYPE "LR", PVC



Description: complete with gasket and cover
SCL Matl. Std.: none
Stock Unit: EA

Stock No.	Trade Size, in	Manufacturer and Cat. No. Prime Conduit
732613	1	E985F

TYPE "T", Al or Steel

Description: aluminum or galvanized steel, complete with gasket and cover
SCL Matl. Std.: 7325.1
Stock Unit: EA

Stock No.	Trade Size, in
732625	1/2
732629	3/4
732634	1
732639	1-1/4
732646	1-1/2

CABLE AND CONDUIT MOUNTING ACCESSORIES

PIPE STRAP, One-Hole, for Rigid Conduit

Description: malleable iron
SCL Matl. Std.: 7134.5
Stock Unit: EA

Stock No.	Trade Size, in
713440E	1/4
713441E	3/8
713442E	1/2
713443E	3/4
713444E	1
713445	1-1/4
713446	1-1/2
713447	2
713448	2-1/2
713449	3
713450	3-1/2
713451	4

PIPE STRAP, One-Hole

Description: stamped steel
SCL Matl. Std.: none
Stock Unit: EA

Stock No.	Trade Size, in	Manufacturer and Catalog No.				
		Bridge-port	O-Z/ Gedney	RACO	Steel City	T&B
731418	1/2	920-S	15-50S	2082	TS-101	4159
731419	3/4	921-S	15-75S	2083	TS-102	4160
731420	1	922-S	15-100S	2084	TS-103	4161

PIPE STRAP, Two-Hole, for Rigid Conduit

Description: stamped steel
SCL Matl. Std.: 7134.7
Stock Unit: EA

Stock No.	Trade Size, in
713461E	3/8
713462E	1/2
713463E	3/4
713464	1
713465	1-1/4
713466	1-1/2
713467	2
713468	2-1/2
713469	3
713470	3-1/2

PIPE SPACER (Clamp Back), for Rigid Conduit

Description: malleable iron
SCL Matl. Std.: 7134.6
Stock Unit: EA

Stock No.	Trade Size, in
713338	1/2
713452	3/4
713453	1
713454	1-1/4
713455	1-1/2
713456	2

STAPLE

Description: for 3 conductor #12 or #10 nonmetallic sheathed cable
SCL Matl. Std.: none

Stock No.	Manufacturer and Catalog No.	
	Holub	Viking
731412	12-1P	125-P5

GROUNDING CLIP

Description: for grounding #10 - #14 nonmetalic sheathed cable to switch or outlet boxes
SCL Matl. Std.: none
Stock Unit: EA

Stock No.	Manufacturer and Catalog No.	
	Steel City	Westinghouse
733569	G	G

CABLE STRAP, Service Entrance

Description: for 3 - #4, 3 - #2
SCL Matl. Std.: none
Stock Unit: EA

Stock No.	**Manufacturer and Catalog No.**	
	Appleton	**T&B**
731402	SECL 3-U	1345

WIRING DEVICES – OUTLET AND JUNCTION BOXES

SCL Material Standards: none
All Product Stock Units: EA

OCTAGON BOXES, OUTLET, with Conduit Knockouts

732060

Stock No.	Size, in.	Depth, in.	Number and Size of Knockouts		Manufacturer Catalog Numbers			
			Sides	Bottom	Appleton	Bowers	Raco	Steel City
732050	3 – 1/4	1 – 1/2	4 - 1/2″	1 - 1/2″	3-0-1/2	3-0-1/2	100	24151-1/2
732060	4	1 – 1/2	4 - 1/2″	5 - 1/2″	4-0-1/2	4-0-1/2	125	54151-1/2
732062	4	1 – 1/2	2 - 1/2″ & 2 - 3/4″	3 - 1/2″ & 2 - 3/4″	4-0-SPL	4-0-SPL	127	54151-1/2-3/4
732163	4	1 – 1/2	2 - 1/2″ & 2 KO	1 - 1/2″	561-L	4-0-LC	146	54151-N
010379	4	2 – 1/8	4 - 1/2″	5 - 1/2″	–	–	165	54171-1/2
732065	4	2 – 1/8	4 - 3/4″	3 - 1/2″ & 2 - 3/4″	40D3/4	4-0-d-3/4	166	54171-3/4
732066	4	2 – 1/8	2 -1/2″ & 2 -3/4″	3 - 1/2″ & 2 - 3/4″	4-0D-SPL	4-0D-SPL	167	54171-1/2-3/4
732067	4	2 – 1/8	4 - 1″	3 - 1/2″ & 2 - 3/4″	4-0D-1	4-0D-1	168	54171-1

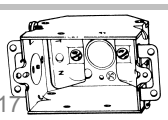
SQUARE BOXES, OUTLET, with Conduit Knockouts

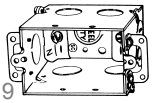
732081

Stock No.	Size, in.	Depth, in.	Number and Size of Knockouts		Manufacturer Catalog Numbers			
			Sides	Bottom	Appleton	Bowers	Raco	Steel City
732080	4	1 – 1/2	3 - 1/2″	5 - 1/2″	4-S-1/2	4-S-1/2	189	52151-1/2
732081	4	1 – 1/2	2 - 3/4″	3 - 1/2″ & 2 - 3/4″	4-S-3/4	4-S-3/4	181	52151-3/4
732082	4	1 – 1/2	2 -1/2″ & 1 -3/4″	3 - 1/2″ & 2 - 3/4″	4-S-SPL	4-SW-SPL	182	52151-1/2-3/4
732085	4	2 – 1/8	3 - 1/2″	3 - 1/2″ & 2 - 3/4″	4-SD-1/2	4-SD-1/2	230	–
010411	4	2 – 1/8	2 - 1/2″ & 1-3/4″	3 - 1/2″ & 2 - 3/4″	–	–	232	52171-1/2-3/4E

BOXES, SWITCH, GANGABLE, with Plaster Ears and Clamps

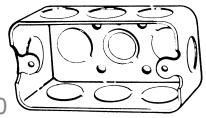
Description: 2 pryouts for loom or nonmetallic sheathed cable and 1/2″ knockout.


732017


732019

Stock No.	Depth, in.	Corners	Leveling Bumps	Manufacturer Catalog Numbers			
				Appleton	Bowers	Raco	Steel City
732017	2 – 1/4	beveled	no	44	230LC	471	LCNOW (for old work)
732018	2 – 1/4	beveled	yes	388LR	230LCC	472	LC
732019	3 – 1/2	square	no	384D	–	601	CXW

UTILITY BOXES


732130

Stock No.	Length, in.	Width, in.	Depth, in.	No. and Size of Knockouts			Manufacturer Catalog Numbers			
				Sides	Ends	Bottom	Appleton	Bowers	Raco	Steel City
732130	4	2 – 1/8	1 – 7/8	6 - 1/2″	2 - 1/2″	3 - 1/2″	4-CS-1/2	103	660	58361-1/2
732142	4 – 1/8	2 – 3/8	2 – 3/16	4 - 3/4″	2 - 3/4″	3 - 1/2″	–	106-3/4	–	–

RINGS, BOX EXTENSION

732095

Stock No.	Shape	Size, in.	Depth, in.	No. and Size of Knockouts	Manufacturer Catalog Numbers			
					Appleton	Bowers	Raco	Steel City
732069	octagon	4	1 – 1/2	4 - 1/2″	4-OE-1/2	4-0-EXT-I/2	128	55151-1/2
732071	octagon	4	1 – 1/2	2 - 1/2″ & 2 - 3/4″	4-OE-SPL	4-0-EXT-SPL	130	55151-1/2-3/4
732095	square	4	1 – 1/2	12 - 1/2″	4-SE-1/2	4-S-EXT-1/2	201	53151-1/2
732139	rectangle	2–1/8 x 4	1 – 1/2	8 - 1/2″	–	103-EXT	653	59361-7/8

WIRING DEVICES – BOXES AND COVERS, REDUCING WASHERS, AND KNOCKOUT SEALS

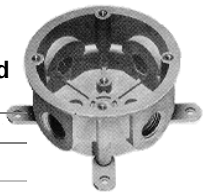
OUTLET BOX, Duplex, Weatherproof

Description: Universal lug type.
SCL Matl. Std.: none
Stock Unit: EA

Stock No.	Manufacturer and Cat. No. Hubbell (Bell/RACO)
732149	5330-0

OUTLET BOX, PVC or Bakelite, Round

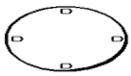
SCL Matl. Std.: none
Stock Unit: EA



Stock No.	Conduit Size, in	Manufacturer and Catalog No. Challenger
734569	1/2	AO4-12
734572	3/4	AO4-34

OUTLET BOX COVER

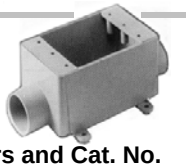
Description: For bakelite box SCL Stock No. 734569.
SCL Matl. Std.: none
Stock Unit: EA



Stock No.	Manufacturers and Catalog No. Challenger	Sylvania
732214	AO-51	AO-51

SWITCH BOX, PVC

Description: Without cover.
SCL Matl. Std.: none
Stock Unit: EA



Stock No.	Conduit Size, in	Manufacturers and Cat. No. Carlon	Pacific Plastic Pipe
734567	1/2	E9811DN	FSC 1/2″
734571	3/4	E9811EN	-

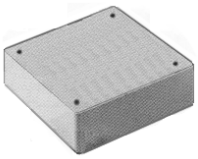
KNOCKOUT SEALS

SCL Matl. Std.: none
Stock Unit: EA

Stock No.	Nominal Size, in
731554	1/2
731555	3/4
731556	1
731557	1-1/4
731558	1-1/2
731559	2

JUNCTION BOX

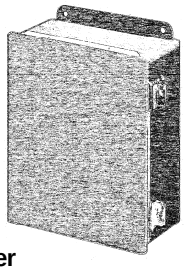
Description: Painted steel with knockouts and screw fastened cover.
SCL Matl. Std.: none
Stock Unit: EA



Stock No.	Size, in	Manufacturers and Cat. No. Circle AW/ B-Line Catalog	Hoffman
686580	6 x 6 x 4	664SC	A-SE6X6X4
010317	10 x 10 x 4	10104SC	A-SE10X10X4

JUNCTION BOX

Description: Painted steel with continuous hinged cover.
SCL Matl. Std.: none
Stock Unit: EA



Stock No.	Size, in	Manufacturer and Catalog No. Hoffman
012093	4 x 4 x 3	A-404CH
012094	6 x 6 x 4	A-606CH
012095	8 x 8 x 4	A-808CH

REDUCING WASHERS, to Fit Knockouts

SCL Matl. Std.: none
Stock Unit: EA

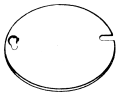
Stock No.	Conduit Size, in
731270	3/4 x 1/2
731271	1 x 1/2
731272	1 x 3/4
731274	1-1/4 x 3/4
731275	1-1/4 x 1
731276	1-1/2 x 1/2
731279	1-1/2 x 1-1/4
731282	2 x 1
731283	2 x 1-1/4
731284	2 x 1-1/2

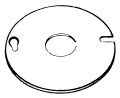
WIRING DEVICES – OUTLET BOX COVERS

ROUND COVERS, OUTLET AND SWITCH BOX

Material Standard: none
Stock Unit: EA

Stock No.	Description	Diameter, in.	Manufacturer Catalog Numbers: Appleton	Bowers	Raco	Steel City
732215	Flat - Blank	3-1/2	8301-A	300	702	24-C-1
732230	Flat - Blank	4	8403	500	722	54-C-1
732233	Flat with 1/2 KO	4	8413	500-K	724	54-C-6
732242	Duplex Outlet	4	8420-LR	500-DR	731	5402-LR


732215
732230

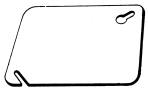

732233

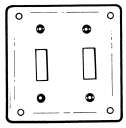
732242

SQUARE COVERS, OUTLET AND SWITCH BOX

Material Standard: none
Stock Unit: EA

Stock No.	Description	Size, in.	Manufacturer Catalog Numbers: Appleton	Bowers	Raco	Steel City
732251	Flat - Blank	4 x 4	8465	400	752	52–C–1
010419	One Toggle Switch	4 x 4	–	–	800	–
732282	Two Toggle Switches	4 x 4	8367	456	803	RS–5
010417	1 Switch & 1 Duplex Receptacle	4 x 4	–	–	906	–
010416	1 Duplex Receptacle	4 x 4	–	–	902	–
010418	Two Duplex Receptacles	4 x 4	–	–	907	–
010420	GFIR Receptacle	4 x 4	–	–	808	–

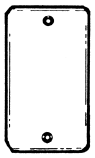

732251

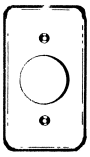

732282

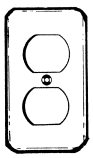
UTILITY BOX COVERS

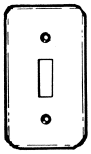
Material Standard: none
Stock Unit: EA

Stock No.	Description	To Fit Box No.	Manufacturer Catalog Numbers: Appleton	Bowers	Raco	Steel City
732305	Flat - Blank	732130	2540	100	860	58-C-1
732307	Single Outlet	732130	2539	100-SR	863	58-C-5
732309	Duplex Outlet	732130	2510	100-DR	864	58-C-7
732311	Toggle Switch	732130	2594	100-TS	865	58-C-30
732313	Flat - Blank	732142	180A	100-BW	–	68-C-1
732316	Duplex Outlet	732142	180W	100-DR	–	68-C-7
732317	Toggle Switch	732142	180T	100-TS	–	68-C-30


732305
732313


732307

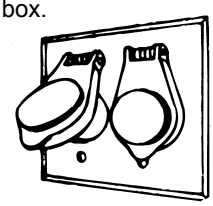

732309
732316


732311

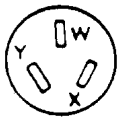
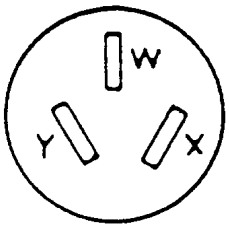
COVERPLATE, WEATHERPROOF

Application: For weatherproof duplex outlet box.
Material Standard: none
Stock Unit: EA

Stock No.	Raco Catalog No.
732318	5180-0



WIRING DEVICES
PLUG, CONNECTOR and RECEPTACLE INFORMATION

PARALLEL	PARALLEL	TANDEM	POLARIZED	LOCKING	CROWFOOT	CROWFOOT
						
1 - 15R 2 POLE, 2 WIRE UNGROUNDED 15A, 125V	5 - 15R 2 POLE, 3 WIRE GROUNDED 15A, 125V	6 - 15R 2 POLE. 3 WIRE GROUNDED 15A, 250V	2 - 2OR 2 POLE, 2 WIRE UNGROUNDED 20A, 250V	L2 - 2OR 2 POLE, 2 WIRE UNGROUNDED 20A, 250V	10 - 2OR 3 POLE, 3 WIRE GROUNDED 20A, 125/250V	10 - 5OR 3 POLE, 3 WIRE GROUNDED 50A, 125/250V

GENERAL: Caps, bodies and receptacles shall meet the applicable requirements of NEMA Publications WD1 or WD5. Each NEMA configuration is designated by a number consisting of the letter "L" (if it is a locking device), the NEMA Chart Line number, the amperage and either the letter "P" for plug or "R" for receptacle. Thus 1-15P would designate a non-locking, 15 amp plug found on Line 1 of the NEMA chart.

NEMA 1-15: Receptacles of this configuration are not to be used on new installations. All existing parallel receptacles of this type should be changed to NEMA 5-15R where an adequate ground is available. Parallel caps of this type will be stocked for installation on cords attached permanently to devices that do not require grounds and which present no personnel hazard.

NEMA 5-15: These grounding type connectors shall be used for all 125 volt, 15 amp grounded circuits. All portable cords and power tools (except double insulated power tools) shall have a ground wire.

NEMA 6-15: These connectors are to be used on all 250 volt, 15 amp grounded circuits.

NEMA 2-20: These connectors are to be used or 250 volt, 20 amp, 2 wire circuits where no ground is available.

NEMA L2-20: These connectors are to be used for line construction work where no ground is desired and a locking connection is necessary.

NEMA 10-20: These connectors are primarily used for heavy appliances on 125/250 volt, 20 amp, grounded circuits.

NEMA 10-50: These connectors are used on heavy appliances on 125/250 volt, 50 amp grounded circuits.

WIRING DEVICES – PLUGS & CONNECTORS

PLUGS, Material Standard 7331.0

Stock Unit: EA

Stock No.	Description
733125	Parallel blade, NEMA Config, 1-15P, rubber, two piece, back connected, .15A, 125V
733137	Parallel blade with ground, NEKA Config. 5-15P, neoprene with polycarbonate insert, back connected, cord grip, 15A, 125V
733140	Two wire with ground, NEMA Config. 5-20P
733139	Tandem blade with ground, NEMA Config. 6-15P, neoprene, polycarbonate insert, back connected, cord grip, 15A, 250V
733135	Polarized, NEMA Config. 2-20PY 2 wire with cord grip, 20A, 250V
733132	Locking, NEMA Config. L2-20P, 2 wire, neoprene, cord grip, 20A, 250V
733129	Crowfoot, NEMA Config. 10-20P, 3 wire, rubber, cord grip, 20A, 125/250V
733136	Crowfoot, NEMA Config. 10-50P, 3 wire, black composition, cord grip, 50A, 125/250V
733138	Locking, 3 wire, neoprene, polycarbonate insert, back connected, cord grip, 20A, 250V, non-standard

CONNECTORS, (Receptacles) Material Standard 7330.0

Stock Unit: EA

Stock No.	Description
733141	2 wire with ground NEMA Config. 5-20R, weather resistant, back connected 20A, 125V
733144	Parallel slots, with ground NEMA Config. 5-15R, neoprene body with polycarbonate insert, back connected 15A, 125V
733142	Locking, 2 wire, NEMA L2-20R, neoprene, cord grip, back connected, 20A, 250V
733143	Locking, 3 wire, non-standard, neoprene with cord grid, back connected, 20A, 250V

Seattle City Light
STOCK CATALOG

WIRING DEVICES – RECEPTACLES AND LAMPHOLDERS

RECEPTACLES
SCL Material Standard: 7330.0
Stock Unit: EA

Stock No.	Description	
733011	Single, 3 wire, side wired, 20A, 250V, Specification Grade, NEMA configuration 10-20R.	
733014	Duplex, tandem slots, with ground, back and side wired, brown color, 15A, 250V, Specification Grade NEMA configuration 6-15R.	
733041	Duplex, parallel slots with ground, back and side wired, with 4″ cover, 15A, 125V, NEMA configuration 5-15R, double wiping contacts, Federal Specification W-C-596/11-2, Ind. Std. 5251.	
733042	Duplex, 2 wire with ground, ivory, back and side wired, 20A, 125V, NEMA configuration 5-20R.	
733054	Duplex, parallel slots with ground, back and side wired, 15A, 125V, NEMA configuration 5-15R, double wiping contacts. Federal Specification W-C-596/12-2 Ind. Std. 5252. Brown.	
733055	Single, parallel slots with ground, back and side wired, 15A, 125V, brown color, NEMA configuration 5-15R, double wiping contacts, Federal Specification W-C-596/11-2, Ind. Std. 5251.	
733060	Duplex, parallel slots with ground, back and side wired, 15A, 125V, ivory color, NEMA configuration 5-15R, double wiping contacts. Federal Specification W-C-596/12-1- Ind. Std. 5252-I.	
733061	Duplex, parallel slots, with ground and GFCI, brown color, 15A outlets with 20A feed-through, 125V, NEMA configuration 5-15R, double wiping contacts.	

LAMPHOLDERS
Stock Unit: EA

Stock No.	Description	Material Standard	
733082	Porcelain, for 4″ outlet box, with pull chain, heavy duty, 250V, 250W.	none	
733083	Porcelain, for 4″ outlet box, with pull chain and 125V, 15A grounding outlet, 125V, 250W. Bryant 5291, Circle 854-S, P&S 35, and Leviton 9726-C.	none	
733115	Porcelain, for 4″ outlet box, keyless, 250V, 660W, AH 111. Bryant 5228, Hubbell 3923, and P&S 110.	none	
733116	Plastic, for 4″ outlet box, keyless, 250V, 660W. Eagle S1174W.	none	
733084	Porcelain, shallow body, glazed ring, 250V, 660W.	none	
733090	Porcelain, surface cleat, heavy shell, 250V, 660W.	none	
733099E	Composition, weatherproof, with 4-1/2″ #14 stranded leads, 600V, 300W, Woodhead #600.	7331.0	

WIRING DEVICES – SWITCHES AND WALL PLATES

TOGGLE SWITCH, Flush, 120-277V AC only

Description: Screw terminals, back and side wired. Silver alloy contacts, color coded. Specification grade.

SCL Matl. Std.: 7333.0

Stock Unit: EA

Stock Number	Type	Amps	Color
733376	1 pole glow	15	Ivory
733377	2 pole	15	Brown
733378	3 way	15	Brown
733379	3 way glow	15	Ivory
733380	1 pole	20	Brown
733381	2 pole	20	Ivory
733382	2 pole	30	Brown
733386	1 pole	15	Ivory
733388	3 way	15	Ivory
733391	1 pole	20	Ivory
733392	3 way	20	Ivory

NYLON WALL PLATES

SCL Matl. Std.: none

Manufacturer:
Hubbell or equivalent

Stock Unit: EA

Stock Number	Description	Color	Hubbell-Catalog Number
733401	1 gang for 1 switch	Brown	P1X
733421	1 gang for 1 switch	Ivory	P1
733402	2 gang for 2 switches	Brown	P2X
733404	2 gang for 2 switches	Ivory	P2
733408	1 gang, 1 duplex outlet	Brown	NP8
733428	1 gang, 1 duplex outlet	Ivory	NP8I
733417	2 gang, 2 duplex outlets	Brown	NP82

STAINLESS STEEL WALL PLATES

SCL Matl. Std.: none

Stock Unit: EA

Stock Number	Description	Sierra Catalog Number
733429	1 gang for 1 switch	S-1N
733430	1 gang, 1 duplex outlet	S-8N
733432	1 gang - blank	S-13N

WIRING DEVICES: WORK LIGHTS, EXTENSION CORDS, GFCI OUTLETS AND ADAPTERS

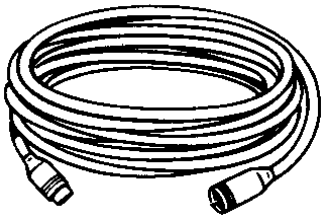
TROUBLE LIGHT

Description: Hand Lamp, portable, with guard, 25 ft. cord, reflector, switch and grounded outlet, I00 W
SCL Matl Std: 7331.0
Stock Unit: EA

Stock No.
733611

EXTENSION CORDS, 3-Wire #14, 6000 V, Type SO

Description: With watertight connections
SCL Matl Std: 7331.0
Stock Unit: EA



Stock No.	Length, ft.
761750	25
761755	50

EXTENSION CORDS, 3-Wire #12, 120 V with GFCI

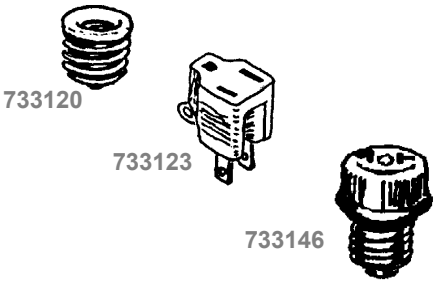
SCL Matl Std: 7331.0
Stock Unit: EA

Stock No.	Length, ft.	Outlet Type	GFCI
761760	25	tri-source	plug mounted
761765	50	tri-source	plug mounted
761770	1-1/2	single	manual set

ADAPTERS

SCL Matl Std: none
Stock Unit: EA

Stock No.	Description	Manufacturer and Catalog No. or Industry No.
733120	Mogul to medium socket, porcelain	Leviton, 8681
733123	3 wire cap to 2 wire outlet with ground lug	Industry No. 5273L
733146	Body, attachment, T-slot, 125V, 660W	GE, 3293 Hubbell, 5612 Rodale, 2130



WIRING DEVICES –TEST CLIPS, BUZZERS AND TRANSFORMERS

BUZZER AND TRANSFORMER, Door

Description: 6 volt.
Per SCL Matl. Std.: None
Stock Unit: EA

722176

733777

Stock No.	Description	Manufacturer and Catalog No.
722176	Buzzer	Edwards Dixie 725
733777	Transformer, 8-16-24 volt	Edwards 592

TEST CLIP

Per SCL Matl. Std.: None
Stock Unit: EA

733572

Stock No.	Description	Manufacturer and Catalog No.
733570	20A, cadmium plated, with screw	Mueller 27
733571	25A, lead plated, with screw	Mueller 24A
733572	40A, solid copper, with screw	Mueller 27C
733573	5A, cadmium plated, with screw	Mueller "Peewee 45"
733574	50A, lead plated, with screw	Mueller 21A
733575	Alligator, steel, with screw	Mueller 60S
733576	For temporary connections to insulated wires	Frankel 2521

INSULATORS CLIP, for Mueller Clips 27, 27C, and 29

Per SCL Matl. Std.: None
Stock Unit: EA

Stock No.	Color
733636	Black
733637	Red

733636

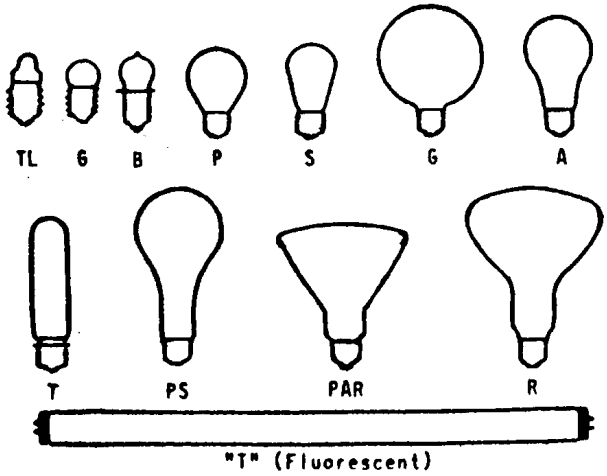
WIRING SUPPLIES - LAMP INFORMATION

★ ★ ★ ★ ★ ★ ★ ★ ★ ★ ★

Reference Specifications:

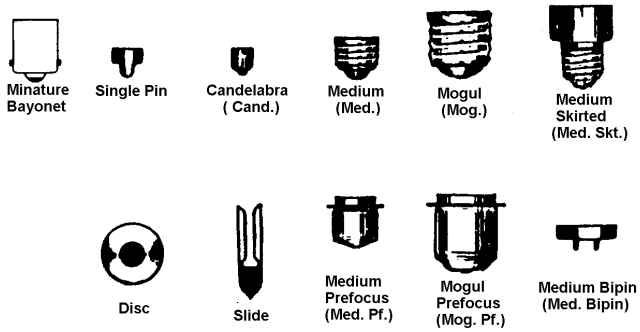
Large Incandescent	Fed. Spec. W-L-101f
Miniature Incandescent	Fed. Spec. W-L-111c
Fluorescent	Fed. Spec. W-L-116a

BULB TYPE. The bulb type is designated by letters indicating the shape of the bulb. Shapes are as illustrated. Numbers indicate the maximum diameter of the bulb in eighths of an inch. For example, A-19 designates a standard "A" shape of bulb with a maximum bulb diameter of 19/8 (i. e. 2-3/8) inches.



BASE TYPE. Base types are as illustrated.

★ ★ ★ ★ ★ ★ ★ ★ ★ ★ ★



WIRING SUPPLIES - LAMPS, INCANDESCENT

LAMPS, SILVERED BOWL
Operate with base up in porcelain sockets
Per Fed. Spec. W-L-101
Stock Unit: EA

Stock No.	Watts	Bulb Type	Base Type	Volts	Purchase Unit
730655	300	PS-35	Mog.	130	24
730656	500	PS-40	Mog.	130	24

LAMPS, INSIDE FROSTED, 130 Volt
General Service
Per Fed. Spec. W-L-101
Stock Unit: EA

Stock No.	Watts	Bulb Type	Base Type	Purchase Unit
730622	25	A-19	Med.	120
730623	40	A-19	Med.	120
730625	60	A-19	Med.	120
730626	75	A-19	Med.	120
730627	100	A-19	Med.	120
730628	150	A-23	Med.	60
730629	200	PS-30	Med.	60
730630	300	PS-30	Med.	60
730631	300	PS-30	Mog.	24

LAMPS, MISCELLANEOUS, INCANDESCENT, 125 Volt
Stock Unit: EA

Stk. No.	Watt	Bulb Type	Base Type	Description	Pur. Unit
✣730390	250	R-40	Med. Skirt	Refl. Infra. Indust	24
730392	250	R-40	Med.	Refl. Infra. Heat Cl. C	24
★730461	6	S-6	Cand.	Night Clear	120
730511	90	PAR-38	Med. Skirt	130V Halogen Spot	12
730512	90	PAR-38	Med. Skirt	130V Halogen Flood	12
730519	150	R-40	Med.	Ref. Flood	24
730621	15	A-Frost	Med.	Exit Light	120

✣Inside Frosted
★Per Fed. Spec. W-L-101f

LAMPS, TRAFFIC SIGNAL, Clear, 130 Volt
Tower obstruction lights
Stock Unit: EA

Stock No.	Watts	Bulb Type	Base Type	Purchase Unit
730673	100	A-21TS	Med.	120

LAMP, SWITCHBOARD, INCANDESCENT, 125 Volt
Stock Unit: EA

Stk. No.	Watts	Bulb Type	Base Type	Mfgr. & Cat. No.	Pur. Unit
730530	1.7	T-3-1/4	Min. Bay	GE B2A	10

LAMP, ROUGH SERVICE, inside frosted, 130 Volt
For drop cords, machine shop, etc.
Per Fed. Spec. W-L-101f
Purchase Unit: 120

GE 100A/RS 60PK
Osram Sylvania 100A21/VS
Philips 100A/RS/VS

Stock Unit: EA

Stock No.	Watts	Bulb Type	Base Type
730552	100	A-21	Med.

LAMP, ROUGH SERVICE, shatter-resistant, 120 Volt
For trouble lights.
Purchase Unit: 120

GE 100A/RS/CVG
Osram Sylvania 100A21/RS/SL
Philips 100A/RS/TF

Stock Unit: EA

Stock No.	Watts	Bulb Type	Base Type
730553	100	A-21	Med.

LAMPS, 250 Volt
Stock Unit: EA

Stock No.	Watts	Bulb Type	Base Type	Descrip-tion	Purch-ase Unit
730692	25	A-19	Med.	Green	
730693	25	A-19	Med.	Red	60

LAMPS, FLASHLIGHT AND FLUORESCENT, BALLASTS AND STARTERS

LAMPS, FLUORESCENT

Per CL Material Standard 7303.0
Bulb Shape: T12.
Stock Unit: EA

Stock No.	Watts	Length, Inches	Color Indicator
730332	34	48	Spec. 41
730349	34	48	Cool White
730348	34	48	Warm White
730345	60	96	Cool White
730344	75	96	Spec. 41
730350	95	96	Cool White
730347	110	96	Cool White
730346	215	96	Cool White

BALLASTS, FLUORESCENT LAMP

Stock Unit: EA

Stock No.	Voltage	For Lamps	Start Type	Approved Manufacturers			
				G.E	Universal	Advance	Jefferson
733504	120	High power for 2-40 W	Rapid Start	8G-1022	446-LR	R-2S40	300-3701 -800
733505	277	F96TI2 or F72TI2	Instant Start	8G1015-WF	–	V-2E75-S	–

STARTER, FLUORESCENT

Stock Unit: EA

Stock No.	Trade No.	Approved Mfrs.
733736	FS-4	Bryant, GE, or Hubbell

LAMP, LANTERN

Purchase Unit: 10
Stock Unit: EA

Stock No.	Trade No.	Volts	Amps	Bulb Type	Base Type
730210	407	4.9	0.30	G-4-1/2	Screw
730211	KPR113	4.8	0.75	B-3-1/2	Flange

LAMPS, FLASHLIGHT

Purchase Unit: 10
Stock Unit: EA

Stock No.	Trade No.	Volts	Amps	Bulb Type	Base	Battery Rating
*730203	222	2.25	0.25	TL-3	Lensed Screw	2 “D” Cells
*730233	PR-6	2.5	0.30	B-3-1/2	Flange	2 “D” Cells
730234	PR-3	3.6	0.50	B-3-1/2	Flange	3 “C” or “D” Cells
730235	HPR-52	2.8	0.85	B-3-1/2	Flange	2 “AA” Cells

*Per Federal Spec. W-L-111c

LAMP, SEALED BEAM, Multipurpose

Stock Unit: EA

Stock No.	Trade No.	Volts	Amps	Bulb Type
730244	4546-1	4.7	0.50	PAR 36

THE NEXT PAGE (73-32) RESERVED FOR FUTURE USE.

WIRING SUPPLIES – TAPE, ELECTRICAL, INSULATING, WATERPROOFING AND MARKING

ELECTRICAL TAPE, Vinyl

Description: Heavy Duty.
SCL Matl. Std.: 7366.0
Stock Unit: RL

Stock Number	Width, in	Thickness, mils	Roll Length, yd
736644E	1	10	36
736650E	2	10	36

ELECTRICAL TAPE, Vinyl

Description: Low temperature type.
SCL Matl. Std.: 7366.5
Stock Unit: RL

Stock Number	Width, in	Thickness, mils	Roll Length, ft
736655E	3/4	7	66
736656E	1-1/2	7	44 to 66

FRICTION TAPE

SCL Matl. Std.: 7364.0
Stock Unit: EA

Stock Number	Width, in	Thickness, mils	Roll Length, ft
736400E	3/4	15	60
736401	1	15	60
736415	2	15	82-1/2

INSULATING TAPE, Putty

Description: Scotchfil™ or Plymouth 2074-28
SCL Matl. Std.: none
Stock Unit: RL

Stock Number	Width, in	Roll Length, ft
736750	1-1/2	5

PLASTIC PIPE WRAP TAPE

SCL Matl. Std.: 7367.3
Stock Unit: RL

Stock Number	Width, in	Thickness, mils	Roll Length, ft
736730	2	10	100

SEALING AND INSULATING MASTIC TAPE

Description: Self-amalgamating, insulating mastic tape, "Aqua seal," 1/8″ thick.

Application: For sealing all types of overhead and direct buried electrical connections up to 600 volts. For waterproofing duct work, cable ends, and all types of splices. Product is not appropriate for applications that may contact the semi-con layer of primary cable.

SCL Matl. Std.: 7364.70
Stock Unit: RL

Stock Number	Width, in	Roll Length, ft
736470E	3-3/4	10

ELECTRIC ARC PROOFING TAPE

Description: White to gray, 0.030 inch thick tape.

Application: Tape is applied to high-energy, communication, and control cables that are within 18 inches of other cables to offer protection in the event of a fault from fire and electric arcs until limiting devices have time to operate.

Because tape is not adhesive coated, it must be held in place after wrapping with bands of silicone adhesive glass cloth tape, Stock Number 736632.

SCL Matl. Std.: 7365.20
Stock Unit: RL

Stock Number	Width, in	Roll Length, ft
736525	1-1/2	20
736527	3	20

MARKING TAPE, Multicolored

SCL Matl. Std.: 7367.5
Stock Unit: RL

Stock Number	Color	Width, in	Roll Length, ft
736775E	white	1/2	20
736776E	yellow	1/2	20
736777E	blue	1/2	20
736778E	red	1/2	20
736779E	green	1/2	20
736780E	orange	1/2	20
736781E	brown	1/2	20

WIRING SUPPLIES - HIGH VOLTAGE SPLICING TAPE

TAPE, LINERLESS, HIGH VOLTAGE, INSULATING
For poly, EPR, rubber and synthetic rubber cables.
Ozone resistant.
Per SCL Matl. Std. 7365.3
Stock Unit: RL

Stock No.	Width	Thickness	Roll Length
736503	3/4”	0.030”	30’
736504	1”	0.030”	30’
736505	1-1/2”	0.030”	30’

TAPE, SEMICONDUCTING, SELF-BONDING
Per SCL Matl. Std. 7366.6
Stock Unit: RL

Stock No.	Width	Thickness	Roll Length
736670	3/4”	0.030”	15’
736671	1”	0.030”	15’
010451	1-1/2”	0.030”	15’

TAPE, SHIELDING, ELECTRICAL
Tinned copper wire, tubular knit.
Per SCL Matl. Std. 7362.2
Stock Unit: RL

Stock No.	Width	Roll Length
736244	1”	15’
736243	2-1/2”	25’

TAPE, SILICONE RUBBER
Plymouth 3455-01, Electro 16012, MAC ST-1030, 3M 70
Stock Unit: RL

Stock No.	Width	Minimum Thickness	Roll Length
736512	1”	0.012”	30’

TAPE, HIGH VOLTAGE, POLYESTER (DACRON)
Dry pack, 18-yard rolls with no core, black.
Stock Unit: RL

Stock No.	Width	Thickness	MAC Cat. Nos.
736682	3/4”	0.010 to 0.012”	TAP DVD 7518
736684	1”	0.010 to 0.012”	TAP DVD 1018

TAPE, COTTON, WOVEN, ELECTRICAL
Plain weave.
Per SCL Matl. Std. 7361.9
Stock Unit: RL

Stock No.	Width	Thickness	Roll Length
736162	1/2”	0.007	36 yards
736166	3/4”	0.007	36 yards
736170	1”	0.007	36 yards

TAPE, GLASS, CLOTH
Class “H” Insulation (180°C).
With thermosetting adhesive.
Per MIL-I-19166C
Scotch 69
Stock Unit: RL

Stock No.	Width	Thickness	Roll Length
736632E	1/2”	0.0075”	66’

TAPE, CREPE PAPER. CARBON BLACK
Impregnated with polybutene oil.
Stock Unit: CN (Nine rolls per sealed quart can.)

Stock No.	Width	Thickness	Roll Length
736245	1”	0.003”	12’

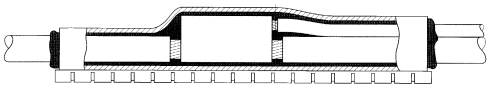
SPLICE ACCESSORIES

ENCAPSULATION KIT, Cable Tap, Zipper

Description: Complete heat-shrink kit, for encapsulation of wye splices. 10 inches long.

SCL Matl. Std.: none

Stock Unit: EA



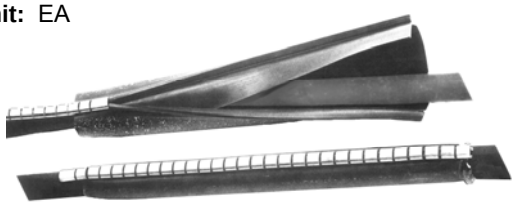
Stock No	Main Size, in	Tap Size, in	Raychem Cat. No
737620	4/0 to 500	#6 to 4/0	CRSM-CT-84/20-250

REPAIR SLEEVE, Wrap Around, Zipper

Application: For repairing or replacing cable jackets. 48 inches long. May be field cut to shorter lengths.

SCL Matl. Std.: none

Stock Unit: EA



Stock No.	Cable Size, in	Raychem Cat. No.
737621	0.65 – 2.65	MBSM-75/15-1200

SEALANT, Hot Melt, Insulating, Waterproof

Description: 2″ x 15″ x 0.03″ strip, red.

Application: For use with uncoated tubing and molded parts, including HVT termination kits.

SCL Matl. Std.: none

Stock Unit: EA

Stock No	Raychem Cat. No
686541	S-1085-3-380

HEAT SHRINK TUBING

THIN WALL HEAT SHRINK TUBING

Description: Thin wall, heat shrink type tubing, uncoated, 48-inch lengths.

Diameter, as supplied, minimum:	0.250 in
Diameter, recovered, maximum:	0.125 in
Recovered wall thickness, nominal:	0.025 in

Application: Thin wall heat shrink tubing is for general, nonelectrical use. Tubing may be used for wire jacket marking.

SCL Matl. Std.: 7374.65

Stock Unit: EA

Stock No: 012476

MEDIUM WALL HEAT SHRINK TUBING

Description: Medium wall, heat shrink type tubing, black, cross-linked polyolefin. Splice cover interiors are lined their full length with a smooth coating of thermoplastic (hot melt) adhesive.

Application: Medium wall heat shrink tubing is applied over broken-out, taped-shielded cable to provide mechanical and environmental protection. Cables of this type are exclusive to the Network system. Medium wall heat shrink tubing may also act as primary insulation for systems rated 600 volts and below. Product is considered non-flame retardant. Use only an approved propane torch, Stock Number 765897, to install heat shrink products.

SCL Matl. Std.: 7374.70

Stock Unit: EA

Stock Number	Cut Piece Length, Nominal, in	Body Use Diameter, in		Recovered Wall Thickness, Nominal, in
		Min	Max	
010414	48	0.50	1.25	0.08
737622	48	0.65	1.70	0.08
737623	48	1.00	2.90	0.11

HEAVY WALL HEAT SHRINK TUBING

Description: Heavy wall, heat shrink type splice covers, black, cross-linked polyolefin. Splice cover interiors are lined their full length with a smooth coating of thermoplastic (hot melt) adhesive.

Application: Splice covers, also known as shrink tubes or shrinks, are used to seal, insulate, and protect cable joints and terminations. They are appropriate for submersible and direct burial installations. Splice covers may also act as primary insulation for systems rated 600 volts and below. Product is considered non-flame retardant. Use only an approved propane torch, Stock Number 765897, to install heat shrink products.

SCL Matl. Std.: 7374.75

Stock Unit: EA

Stock Number	Length, Nominal, in	Expanded Internal Diameter Min, in	Recovered Internal Diameter Max, in	Recovered Wall Thickness, Nominal, in
737450E	9	1.10	0.37	0.120
737451	12	0.75	0.24	0.090
737452E	12	1.50	0.50	0.140
737453	12	1.10	0.37	0.120
737455E	12	2.00	0.75	0.160
737456E	12	3.00	1.25	0.160
737601	48	1.29	0.37	0.120
737602	48	1.50	0.50	0.160
737603	48	2.00	0.75	0.160
737604	48	3.00	1.25	0.160

HIGH VOLTAGE HEAT SHRINK TUBING, Red

Application: For insulating 1/4″x 3″ bar or 2″ diameter bus or cable and for marking grounded standoff bushings.

SCL Matl. Std.: none

Stock Unit: IN

Stock No	Dia, in	Length	Raychem Cat. No.
737457	3	50 foot roll, cut to length	BPTM-100/40 A/U

SHRINK BOOTS AND CAPS

CABLE BREAKOUT BOOTS, Heat Shrink

Description: Cable breakout boots, heat shrink type, black, cross-linked polyolefin. Boot interiors are lined their full length with a smooth coating of thermoplastic (hot melt) adhesive.

Application: Cable breakout boots provide strain relief and mechanical and environmental protection for breakouts in three-, four-, and six-conductor cables. Cables of this type are exclusive to the Network system. Product is considered non-flame retardant. Use only an approved propane torch, Stock Number 765897, to install heat shrink products.

SCL Matl. Std.: 7374.80

Stock Unit: EA

Stock Number	Number of Legs	Body Use Diameter, in		Leg Use Diameter, in	
		Min	Max	Min	Max
737513	3	0.85	2.20	0.35	0.90
737517	3	1.10	2.90	0.52	1.25
010402	3	1.77	4.53	0.87	2.05
012479	4	2.75	8.50	0.87	2.00
737520	6	1.45	3.85	0.60 ph	1.50 ph

SEALING CAPS, Heat Shrink

Description: Sealing caps, heat shrink type, black, cross-linked polyolefin. Sealing cap interiors are lined their full length with a smooth coating of thermoplastic (hot melt) adhesive.

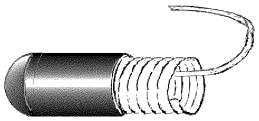
Application: Sealing caps are used to seal cable ends and provide mechanical and environmental protection. Sealing caps may also be used as a live end seal for systems rated 600 volts and below. Product is considered non-flame retardant. Use only an approved propane torch, Stock Number 765897, to install heat shrink products.

SCL Matl. Std.: 7374.85

Stock Unit: EA

Stock Number	Expanded Length, Nominal, in	Expanded Internal Diameter Min, in	Recovered Internal Diameter Max, in	Recovered Wall Thickness, Nominal, in
737475E	2.2	0.79	0.36	0.09
737477E	3.5	1.37	0.70	0.12
737479E	5.7	2.17	1.00	0.13
737485E	6.5	2.87	1.26	0.13
737483E	6.5	3.94	1.77	0.16
737481E	5.7	4.70	2.76	0.16

SEALING CAPS, Cold Shrink



Application: For temporary insulation of cable ends.

SCL Matl. Std.: none

Stock Unit: EA

Stock No.	Diameter Range, in	Approx. Length, in	3M Cat. No.
011682E	0.46 to 0.82	2.5	EC-1
011683E	0.63 to 1.18	2.5	EC-2
011684E	1.02 to 1.94	2.5	EC-3
011685E	1.79 to 3.32	2.5	EC-4

WIRING SUPPLIES
SECONDARY SPLICE SEALS, INSULATION, AND CABLE WRAP

SEALING SLEEVE, Cold Shrink

Description: Open ended, tubular, cold shrink, EPDM rubber sleeves.
Does not include connector.
Application: For insulation of 600 volt secondary splices.
In aerial applications, over wrap with UV protective tape.
SCL Matl. Std.: none
Stock Unit: EA

Stock Number	Description	Approved Manufacturer	Catalog Number
737100	2/0 AWG – 250 kcmil	3M	QSLV 2/0-250
737101	250 kcmil – 500 kcmil	3M	QSLV 250-500

SHEET INSULATION

Description: Phenolic cotton fabric laminate. Grade C, natural color, Micarta or equal.
Approximate Dimensions: 36 x 36
NEMA Pub: LI 1, For Industrial Laminated Thermosetting Products
SCL Matl. Std.: none
Stock Unit: SH

Stock Number	Thickness in.
735214	1/8
735217	1/4
735221	1/2

CABLE WRAP, Polytetrafluoroethylene

Description: Type II, Class B Insulation
SCL Matl. Std.: 7353.6
Stock Unit: FT

Stock Number	Size in.	Wire Bundle Diameter in.	Length ft.
735361	1/4	3/16 to 2	50
735363	1/2	3 / 4 to 4	25

VARNISHED CLOTH, Dacron, Glass, Black

ASTM: D 2400
SCL Matl. Std.: none
Stock Unit: FT

Stock Number	Thickness in.	Width in.	Roll Length yd.	Von Roll Isola Cat. No.
735283E	0.01	36	36	600-210

WIRING SUPPLIES — CABLE TIES, TAGS AND DUCT TAPE

DUCT TAPE, Two-Inch

Description: Used to seal PCB and asbestos suits and plastic sheets at work site.
Per SCL Matl. Std.: none
Stock Unit: RL
Stock No.: 736745
Approved Manufacturers: 3M, Merco, Nashua #357, Shurtape, Standard Brands, United Tape.

MARKING TAPE, Trench or Conduit, Plastic Film

Description: Roll length 1000´. Detectable with foil.
Per SCL Matl. Std.: none
Stock Unit: RL

Stock No.	Color	Width, in.	Printing
736800	red	3	"CAUTION: BURIED ELECTRIC LINE" (Also shown on 70- 51.). Reef Industries "Sentry Line" #42-0110 or Pro-Line Safety.
736900	red	2	"Seattle City Light Pump Discharge Conduit. Call 625-3000 for free repair." D & G Sign and Label. (Also shown on 70- 51.).

TAGS, Impressionable, Aluminum, with Tie

Per SCL Matl. Std.: none
Stock Unit: BX

Stock No.	Width, in.	Length, in.
735820	1	3-3/8

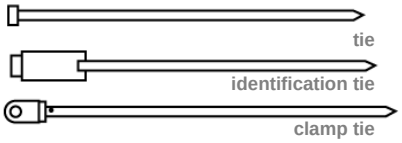
TAGS, Cable Identification, Plastic

Per Blaine Special: Code 01107-CFM
Stock Unit: EA

Stock No.	Size, in.	Color
735800E	1-1/8 x 7 x 0.016	yellow

CABLE TIES, Plastic, Adjustable

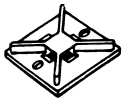
Description: Also called tie wrap or cable strap.
Per SCL Matl. Std.: 7358.1
Stock Unit: EA



Stock No.	Type	Color	Length, Approximate, in.
735804E	tie	natural	4
735805E	tie	black	7
735806E	tie	natural	7
735807E	identification	natural	7
735809E	identification	natural	15
735810E	clamp	natural	8
735811E	tie	black	14
735812E	tie	black	20

CABLE TIE MOUNTS, Adhesive-Backed

Per SCL Matl. Std.: none
Stock Unit: EA



Stock No.	Size	Dimension, in.	Panduit Catalog No.
735814E	small	0.75 x 0.75 x 0.195	ABMM-A-C
735815E	large	1.0 x 1.0 x 0.204	ABM2S-A-C

CABLE TIE MOUNTING BASES

Per SCL Matl. Std.: none
Stock Unit: EA

Stock No.	Size, in.	Mounting Screw Size	T&B Catalog No.
735850	1/2	#10	TC-5356
735852	1/2	1/4˝	TC-5357

CABLE TIE MOUNTING BASES

Application: For securing cable ties to masonry walls.
Per SCL Matl. Std.: none
Stock Unit: EA

Stock No.	Maximum Width, Cable Tie, in.	T&B Catalog No.
735801	0.19	TC-5358
735802	0.50	TC-5359

SCHEDULE 40 PVC CONDUIT AND ELBOWS

SCHEDULE 40 PVC CONDUIT

Description: Schedule 40 extruded rigid PVC (polyvinyl chloride) conduit. All conduit, 2 inch (IPS) and larger, are chamfered. Except for 5-inch conduit, one conduit end is bell and the other, straight cut. 5-inch conduit is straight cut on both ends.

Application: Schedule 40 PVC conduit is used to construct smooth raceways for the pulling in of cable installed in a variety of looped radial and network system applications: service, secondary, primary, communication, and control. Schedule 40 PVC conduit is not appropriate for riser pole applications.

SCL Matl. Std.: 7015.05

Stock Unit: FT

Stock Number	Trade Size, in	SCL New Construction
734525	1/2	standard
734526	3/4	standard
734527	1	do not use
734528	1-1/4	do not use
734529	1-1/2	do not use
734530	2	standard
734531	2-1/2	do not use
734532	3	standard
734533	3-1/2	do not use
734523	4	standard
734524	5	use fiberglass
010334	6	do not use

DIRECTIONAL DRILLING CONDUIT SYSTEMS

Description: Conduit systems specifically intended for directional drilling construction projects.

Application: Directional drilling is an underground excavation method using a steerable system for installing pipe, conduit and cable using a surface launched drill rig. The conduit systems cited in 7017.05 have been reviewed and approved by Seattle City Light for use on our system.

SCL Matl. Std.: 7017.05

Stock Number: none

SCHEDULE 40 PVC ELBOWS

Description: Schedule 40 extruded rigid PVC (polyvinyl chloride) 90°, 45°, and 22-1/2° elbows. All elbow straight cut ends, 2 inch (IPS) and larger, are chamfered. Elbows are also known as bends. Except for 5-inch elbows, one end is bell and the other, straight cut. 5-inch elbows are straight cut on both ends.

Application: Schedule 40 PVC elbows are used to construct smooth raceways for the pulling in of cable.

SCL Matl. Std.: 7015.05

Stock Unit: EA

Stock Number	Trade Size, in	Radius, in	Tangent Length, in
90 degree			
734551	1/2	4	1-1/2
734671	3/4	4-1/2	1-1/2
734550	1	5-3/4	1-7/8
734546	1-1/4	7-1/4	2
734547	1-1/2	8-1/4	2
734548	2	24	2
734549	2-1/2	24	3-1/8

45 degree			
734553	1-1/4	7-1/4	2
734554	1-1/2	8-1/4	2
734555	2	18	2
734557	3	36	3-1/8
734558	3-1/2	36	3-1/4
734559	4	36	3-3/8
734560	5	48	3-5/8
010337	6	48	3-5/8

22-1/2 degree			
734561	2	18	3
734562	2-1/2	18	3
734563	3	24	3-1/4
734564	3-1/2	24	3-1/2
734566	4	24	3-3/8
734568	5	24	3-5/8

PVC CONDUIT FITTINGS

FEMALE ADAPTER, Coupling, One End Slip, One End Female

Description: Extruded rigid PVC (polyvinyl chloride) female adapter. Female adapters have straight threads. Two-inch (IPS) and larger, are of molded manufacture, not expanded.

Description: Adapter slip fittings will accept either Schedule 40 or Schedule 80 conduit with straight cut ends (both have the same OD).

SCL Matl. Std.: 7015.05

Stock Unit: FT

Stock Number	Trade Size, in
734508	1/2
734540	3/4
734541	1
734542	1-1/4
734543	1-1/2
734544	2
734545	2-1/2
734537	3
734538	3-1/2
734539	4
734536	5
010342	6

MALE ADAPTER, Coupling, One End Slip, One End Male

Description: Extruded rigid PVC (polyvinyl chloride) male adapter. Two-inch (IPS) and larger, are of molded manufacture, not expanded.

Description: Adapter slip fittings will accept either Schedule 40 or Schedule 80 conduit with straight cut ends (both have the same OD).

SCL Matl. Std.: 7015.05

Stock Unit: FT

Stock Number	Trade Size, in
734920	1/2
734914	3/4
734918	1
734924	1-1/4
734925	1-1/2
734926	2
734921	3
734923	4
010341	6

STRAIGHT ADAPTER, Coupling, Both Ends Slip

Description: Extruded rigid PVC (polyvinyl chloride) straight adapter. Two-inch (IPS) and larger, are of molded manufacture, not expanded.

Description: Adapter slip fittings will accept either Schedule 40 or Schedule 80 conduit with straight cut ends (both have the same OD).

SCL Matl. Std.: 7015.05

Stock Unit: FT

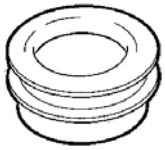
Stock Number	Trade Size, in
734512	1/2
734513	3/4
734514	1
734515	1-1/4
734516	1-1/2
734517	2
734518	2-1/2
734519	3
734520	3-1/2
734521	4
734522	5
010343	6

PVC CONDUIT FITTINGS

END BELL, PVC, Direct Burial

SCL Matl. Std.: 7345.7

Stock Unit: FT



Stock No.	Trade Size, in
734944	2
734946	3
734947	3-1/2
734948	4
734949	5
010340	6

CONDUIT REPAIR SYSTEM, Interlocking Parts

Description: PVC plastic. Two interlocking 10-foot halves, snap closed with 2-piece interlocking coupling. Sole source: Conduit Repair Systems, Inc. (www.conduitrepair.com), (CRS).

Application: Requires separate locking tool to close snap – non-stock item (CRS part CT4000).

SCL Matl. Std.: none

Stock Unit: EA

Trade Size, in	SCL Stock Number: 10-ft Conduit Halves	Split to Split Coupling	Standard to Split Coupling
2-1/2	012113	012109	012105
3	012114	012110	012108
4	012115	012111	012107
5	012116	012112	012106

ADAPTER, PVC, 24-Inch Long, Schedule 40

Application: connects 3-1/2 round duct to 3-1/2 square duct

SCL Matl. Std.: 7345.7

Stock No.: 734565

FIVE DEGREE ADAPTER, Coupling, Both Ends Slip

Description: Extruded rigid PVC (polyvinyl chloride) straight adapter. Two-inch (IPS) and larger, are of molded manufacture, not expanded.

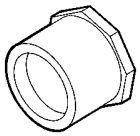
SCL Matl. Std.: 7015.05

Stock Unit: FT

Stock No.	Trade Size, in
010444	4
010443	5

REDUCER, PVC, 3/4 x 1/2 Plug, Heavy Wall

SCL Matl. Std.: none



Stock No.	Prime Conduit Cat. No.
734480	E950ED

REDUCER, PVC, Expanded, Schedule 40

SCL Matl. Std.: none

Stock No.	Trade Size, in	Manufacturers and Catalog Nos.: Prime Conduit	PW Eagle	Race Tech
734470	3 x 2-1/2	E952LK	6146030025	order by description
012503	4 x 3-1/2	E952NM	–	–

SCHEDULE 80 PVC CONDUIT

SCHEDULE 80 PVC CONDUIT

Description: Schedule 80 extruded rigid PVC (polyvinyl chloride) conduit. All conduit, 2 inch (IPS) and larger, are chamfered. Except for 5-inch conduit, one conduit end is bell and the other, straight cut. 5-inch conduit is straight cut on both ends.

Application: Schedule 80 PVC conduit is used to construct smooth raceways for the pulling in of cable installed in a variety of looped radial and network system applications: service, secondary, primary, communication, and control.

Schedule 80 PVC conduit is appropriate for riser pole applications.

Assembly: Refer to Stock Catalog page 73-52 for PVC fittings (couplings).

SCL Matl. Std.: 7020.05

Stock Unit: EA

Stock Number	Trade Size, in
738740	1-1/2
738741	2
738742	2-1/2
738743	3
738744	3-1/2
738745	4
738746	5
010333	6

FIBERGLASS CONDUIT AND ADHESIVE

CONDUIT, 5-Inch, Medium Wall

Description: Five-inch IPS (iron pipe standard), medium wall, fiberglass conduit in 20 foot straight sections. Spigot ends (straight cut section) are chamfered.

Conduit spigot end is marked with 1/2 inch-wide yellow line to facilitate installation by providing indication when full insertion has been accomplished.

Fiberglass conduit is an alternative to PVC conduit systems where the following (superior) attributes are required:

- Wide operating temperature range, -60 to +250 degrees F (-51 to +121 degrees C)
- Resistant to cable pull burn through
- Low relative coefficient of friction
- Shatter-proof
- Shape retention after impact

Fiberglass conduit is an alternative to galvanized steel where the following (superior) attributes are required:

- Corrosion resistance
- Low relative unit cost
- Low relative unit weight
- Low relative coefficient of friction
- Non-conductive
- Shape retention after impact

Application: Five-inch fiberglass conduit systems are intended for use with the following Seattle City Light standard cables (three phases installed per conduit):

- 15 kV, 1000 kcmil, 3-1/C, Stk. No. 623670
- 28 kV, 500 kcmil, 1/C, Stk. No. 012100
- 28 kV, 750 kcmil, 1/C, Stk. No. 012101
- 28 kV, 1000 kcmil, 1/C, Stk. No. 012102

Five-inch fiberglass conduit systems are appropriate for riser pole, other above ground, and below ground (encased in concrete) applications.

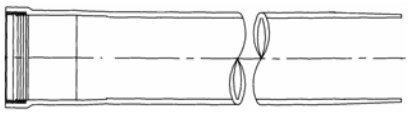
SCL Matl. Std.: 7025.05

Stock Unit: FT

Stock Number	Trade Size, in
012808	5

CONDUIT, 5-Inch, IPS Standard

Deplete Stock



Description: With integral coupling on one end. Integral urethane tri-seal gasket in coupling.

Application: Fiberglass conduit and fittings manufactured by FRE Composites are no longer purchased. Engineers are encouraged to work with Material Control to coordinate depleting existing inventory. After inventory is depleted, use fiberglass products specified in Material Standard 7025.05 (012808).

SCL Matl. Std.: 7348.5 (cancelled)

Stock Unit: EA

Stock Number	Trade Size, in	Nominal Wall Thickness, in
734850	5	0.095

ADHESIVE SYSTEM, Fiberglass Conduit

Description: Adhesive components, consisting of two-part adhesives, adhesive guns, stir sticks, and abrading supplies.

Application: One 20 fl oz adhesive cartridge, Stock No. 012820, will make about 20 joints. Adhesive is required at fiberglass conduit joints where a field cut has been made and the interference joint is not available, where there are joints between large sweep elbows and vertical risers, and at all end bells.
Adhesive gun, Stock No. 012819, may be considered expendable and issued with each job.

Adhesive curing time is approximately one hour at an ambient temperature of 75 degrees F (29 degrees C). Cold weather adhesive is available from the manufacturer by special order.

SCL Matl. Std.: 7025.05

Stock Unit: EA

Stock Number	Description
012819	adhesive gun
012820	epoxy cartridge, 20 fl oz, 70º F
012821	adhesive kit; includes can of base adhesive, can of hardener, stir sticks, sand paper, and instructions; 70º F
013314	mixing tip, spare

FIBERGLASS ELBOWS (SWEEPS) AND FITTINGS

FIBERGLASS ELBOWS

Description: Five-inch, medium wall, for fiberglass conduit. Elbow angles are required to be accurate to ± 2% of specified.

SCL Matl. Std.: 7025.05

Stock Unit: EA

Stock Number	Angle, degrees
012848	11-1/4
012849	22-1/2
012850	45
012809	90
012847	90

FIBERGLASS FITTINGS

Description: For 5-inch fiberglass conduit, medium wall.

Application: Female terminal adapter, Stock No. 012817, is used for joining fiberglass conduit to galvanized rigid steel (GRS) conduit. Adapter has same threads as GRS (straight).

SCL Matl. Std.: 7025.05

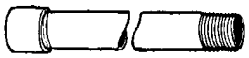
Stock Unit: EA

Stock Number	Description
012814	stop coupling
012815	end bell, socket type
012816	double bell coupling, 5º
012817	female terminal adapter
012818	fiberglass end cap with gasket

ALUMINUM CONDUIT AND ELBOWS

CONDUIT, Rigid Aluminum

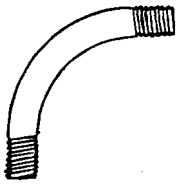
SCL Matl. Std.: 7343.5
Stock Unit: FT



Stock No.	Trade Size, in
734751	1/2
734752	3/4
734753	1
734754	1-1/4
734755	1-1/2
734756	2
734757	2-1/2
734758	3
734759	3-1/2

ELBOWS, Aluminum, 90 Degree, Standard

SCL Matl. Std.: 7343.5
Stock Unit: EA



Stock No.	Trade Size, in
734765	1/2
734766	3/4
734767	1
734768	1-1/4
734769	1-1/2
734770	2
734771	2-1/2
734772	3

COUPLINGS, Rigid Aluminum

SCL Matl. Std.: 7343.5
Stock Unit: EA

Stock No.	Trade Size, in
731061	1/2
731062	3/4
731063	1
731066	2
731067	2-1/2
731069	3

ZINC-COATED STEEL CONDUIT AND ELBOWS

ZINC-COATED STEEL CONDUIT

Description: Steel conduit is also known as electrical rigid metal conduit - steel, abbreviated ERMC-S. Conduit that is finished means it has a threaded coupling attached to one end. Each straight conduit section is finished with one threaded coupling attached. Steel conduit is ordered in 10-foot sections.

Application: Zinc-coated steel conduit, elbows and fittings are used to construct smooth raceways for the pulling in of cable.

Assembly: Refer to Stock Catalog page 73-72 for steel fittings (couplings).

SCL Matl. Std.: 7050.05

Stock Unit: FT

Stock Number	Trade Size, in	SCL New Construction
012085	1/2	standard
012086	3/4	not for new construction
012087	1	not for new construction
734740	1-1/2	standard
734741	2	standard
734742	2-1/2	not for new construction
734743	3	standard
734744	3-1/2	not for new construction
734745	4	standard
734747	5	standard

ELBOWS, Standard Sweep, 90 degree Angle

Description: zinc-coated steel conduit elbows

Application: Elbows are also known as bends. Large radius elbows are also known as sweeps or large sweeps (see below).

SCL Matl. Std.: 7050.05

Stock Unit: EA

Stock Number	Trade Size, in	Radius, in	Straight End Length, in
734804	1/2	4	1-1/2
734805	3/4	4-1/2	1-1/2
734806	1	5-3/4	1-7/8
734808	1-1/2	8-1/4	2
734809	2	9-1/2	2
734810	2-1/2	10-1/2	3

ELBOWS, Large Sweep, 90 degree Angle

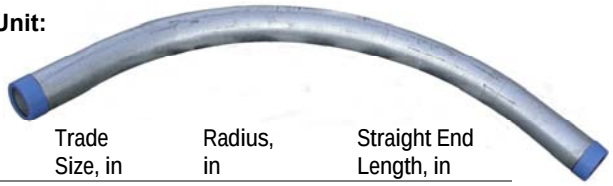
Description: zinc-coated steel conduit elbows

Application: Large radius elbows are also known as sweeps or large sweeps. Five-inch trade size, 60-inch radius sweeps, Stock No. 734826, are used at the base of a riser pole. Elbow angles are accurate to +/- 2% of specified.

Underground duct systems typically utilize elbows that are bent in the field from straight sections. Field bending elbows allows for custom angles and better nesting of multiple runs.

SCL Matl. Std.: 7050.05

Stock Unit:
EA



Stock Number	Trade Size, in	Radius, in	Straight End Length, in
734820	2	36	11
734821	2-1/2	36	11
734822	3	36	11
734823	3-1/2	36	11
734824	4	36	11
012176	4	48	12
734826	5	60	12

IRON AND ZINC-COATED STEEL CONDUIT FITTINGS

THREADED COUPLINGS, Straight Threaded

Description: For zinc-coated steel conduit. Threaded couplings are straight-tapped.

SCL Matl. Std.: 7050.05

Stock Unit: EA

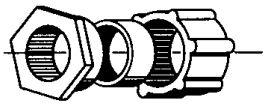
Stock Number	Trade Size, in
731091	1/2
731092	3/4
731093	1
731094	1-1/4
731095	1-1/2
731096	2
731097	2-1/2
731098	3
731099	3-1/2
731100	4
731102	5

ERICKSON COUPLINGS, Union Type

Description: malleable iron

SCL Matl. Std.: none

Stock Unit: EA



Stock Number	Trade Size, in
731076	1/2
731077	3/4
731078	1
731079	1-1/4
731080	1-1/2
731081	2

CONDUIT NIPPLES, Chase

Description: Hot dip or mechanical galvanized. Per ANSI C80.1.

SCL Matl. Std.: none

Stock Unit: EA

Stock Number	Trade Size, in
731260	1/2

NIPPLE STOCK

Description: UL 6 defines a nipple to be a straight section of conduit 24 inches in length or less, with male pipe threads at each end. City Light purchases *nipple stock,* also known as running thread, in three-foot lengths.

SCL Matl. Std.: 7050.05

Stock Unit: EA

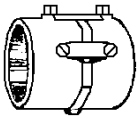
Stock Number	Trade Size, in
734868	1/2
734869	3/4
734870	1
734871	1-1/4
734872	1-1/2
734873	2
734874	2-1/2

SET SCREW COUPLINGS

Application: for rigid conduit slip fit

SCL Matl. Std.: none

Stock Unit: EA



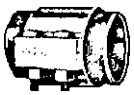
Stock Number	Trade Size, in	Manufacturer's Catalog Numbers		
		EFCOR	OZ/Gedney	Sepco
731082	2-1/2	1736	29-250	TRCC-250
731083	3	1737	29-300	TRCC-300
731084	3-1/2	1738	29-350	TRCC-350
731085	4	1739	29-400	TRCC-400
731086	5	17395	29-500	TRCC-500

SPLIT COUPLINGS

Application: For joining where conduit cannot be turned or where space is limited.

SCL Matl. Std.: none

Stock Unit: EA



Stock Number	Trade Size, in	OZ Cat. No.
731146	3/4	SSP-75
731149	1-1/2	SSP-150
731150	2	SSP-200
731152	3	SSP-300
731153	3-1/2	SSP-350
731155	4	SSP-400

STEEL CONDUIT BUSHINGS, LOCKNUTS AND CLAMPS, GROUNDING AND NON-GROUNDING

BUSHING, Threaded, Steel or Malleable Iron

Description: hot dip or mechanical galvanized, per NEMA FB 1

SCL Matl. Std.: none

Stock Unit: EA

Stock No.	Trade Size, in
731515	1/2
731516	3/4
731517	1
731519	1-1/2
731520	2
731521	2-1/2
731522	3
731523	3-1/2
731524	4

INSULATING BUSHING, Threaded, D, Plastic

Description: per NEMA FB 1

SCL Matl. Std.: none

Stock Unit: EA

Stock No.	Trade Size, in
731565	1/2
731566	3/4
731567	1
731568	1-1/4
731569	1-1/2
731570	2
731571	2-1/2
731572	3
731573	3-1/2
731574	4
731575	5
731574	4
731575	5

INSULATING BUSHING, D, Plastic with Locknut

Description: per NEMA FB 1

SCL Matl. Std.: none

Stock Unit: EA

Stock No.	Trade Size, in	O-Z/ Gedney
731591	1/2	BBL-50
731592	3/4	BBL-75
731593	1	BBL-100
731594	1-1/4	BBL-125
731595	1-1/2	BBL-150

LOCKNUT, Threaded, Steel or Malleable Iron

Description: hot dip or mechanical galvanized, per NEMA FB 1

SCL Matl. Std.: none

Stock Unit: EA

Stock No.	Trade Size, in
731490	1/2
731491	3/4
731492	1
731493	1-1/4
731494	1-1/2
731495	2
731496	2-1/2
731497	3
731498	3-1/2
731499	4

GROUNDING INSULATED BUSHING, Threaded, Malleable Iron

Description: Electro zinc plated cast malleable iron body, aluminum/tin plated lay in lug, and thermoplastic insulator. Lug accepts #14 to #4 AWG copper or aluminum conductor.

Application: For bonding jumper to multiple metal conduits.

Stock Unit: EA

SCL Matl. Std.: none

Stock Number	Trade Size, in	O-Z/ Gedney	Thomas & Betts
731530	1-1/2	IBC-150L-4AC	3874
731531	2	IBC-200L-4AC	3875
731532	2-1/2	IBC-250L-4AC	3876
013270	3	IBC-300L-4AC	3877
731534	3-1/2	IBC-350L-4AC	3878
012857	4	IBC-400L-4AC	3879

GROUNDING CLAMP, Water Pipe

SCL Matl. Std.: none

Stock Number	Trade Size, in
733566	1-1/2 to 1
733567	1-1/4 to 1-1/2
733568	2-1/2 to 3

GROUNDING LOCKNUT, Malleable Iron

Description: hot dip or mechanical galvanized, per NEMA FB 1

SCL Matl. Std.: none

Stock Number	Trade Size, in
731505	1-1/4
731506	1-1/2
731507	2
731508	2-1/2
731509	3
731510	3-1/2

CONDUIT ACCESSORIES

CABLE PROTECTOR, Nylon

SCL Matl. Std.: 7318.1
Stock Unit: EA

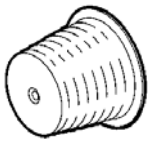
Stock No	Size, in
731800E	2 to 2-1/2
731801E	3 to 6

CONDUIT INSULINERS

SCL Matl. Std.: none
Stock Unit: EA

Stock No	Trade Size, in	T&B Cat. No.
731701	1/2	422
731703	3/4	423
731705	1	424
731715	1-1/2	426

PLUGS, PVC, Direct Burial



SCL Matl. Std.: 7345.7
Stock Unit: EA

Stock No	Trade Size, in
734938	2
734940	3
734942	4
734943	5
010338	6

PLUGS, Duct, Reusable

SCL Matl. Std.: 7345.7
Stock Unit: EA

Stock No	Trade Size, in	Tyco Cat. No. (no substitutions)
012387	2	JM-BLA-20D236U
012388	4	JM-BLA-40D402U
012389	5	JM-BLA-50D535U

PULL TAPE, Flat

Description: Polyester. Pre-lubricated with silicone and printed with sequential footage markings. 2500 lbs. tensile strength.

SCL Matl. Std.: none
Stock Unit: RL

Stock No	Feet per Reel	Manufacturer: Fibertek	Manufacturer: Pacific Strapping (Herculine)
012293	400	WP2500-400	P2500W-400
012480	3000	WP2500-3000	P2500W-3000

MANDREL, Proofing, Rigid

wood

nylon

Application: Rigid proofing mandrels are used to test for obstructions in an underground conduit run after trench backfill and/or conduit pour is complete.

The mandrel is sized to be at least as large as the largest cable pulling head (or grip) that could be used within that conduit to ensure cable can be pulled in successfully.

SCL Matl. Std.: 7645.40
Stock Unit: EA

Stock No	Conduit Trade Size, in	Mandrel Diameter, in	Mandrel Length, in	Material
013294	3/4	0.62	1.0	delrin or nylon
013295	1	0.78	1.25	delrin or nylon
013296	1-1/4	1.0	1.5	delrin or nylon
013297	1-1/2	1.25	1.75	delrin or nylon
013298	2	1.62	2.25	delrin or nylon
013299	2-1/2	2.0	2.75	delrin or nylon
013300	3	2.5	3.25	delrin or nylon
013301	3-1/2	3.0	3.75	delrin or nylon
013302	4	3.5	8.0	delrin or nylon
013303	5	4.75	12.0	delrin or nylon
013304	6	5.5	14.0	delrin or nylon

CONDUIT SPACER, Plastic

Description: For non-metallic conduit. Allows 2-inch conduit separation.

SCL Matl. Std.: 7346.8
Stock Unit: EA

base

intermediate

Stock Number	Trade Size, in	Type
010448E	3	base
734690E	4	base
734692E	5	base
010446E	6	base
734669E	3	intermediate
734670E	4	intermediate
734680E	5	intermediate
010447	6	intermediate

Metals ***1***

METALS

BABBITT METAL

Application: For generator, synchronous condenser and turbine bearings.
Per SCL Matl. Std.: 7403.4
Stock Unit: LB
Stock No.: 740332

PROTECTIVE CAP

Application: For steel reinforcing bar.
Per SCL Matl. Std.: none
Stock Unit: EA

Stock No.	Fits Rod Diameter
743671	3/8 through 3/4

STEEL WIRE, Bare, Annealed

Per Federal Spec.: QQ-W-416
Stock Unit: LB

Stock No.	Gauge	Approximate Weight, lbs.	Approximate Spool or Coil Length, ft.
746818	14	5	293
746822	16	5	475
746826	18	5	830

75 chemicals

Chemicals and Petroleum Products	***1***
Chemicals and Petroleum Products	***2***
Chemicals and Petroleum Products	***3***
Chemicals and Petroleum Products	***4***
Cobra Rod Wood Preservative Kit	***14***

Seattle City Light

STOCK CATALOG

CHEMICALS AND PETROLEUM PRODUCTS

KEROSENE
SCL Matl. Std.: none

Stock Number	Stock Unit	Description
750500	GL	purchased in 55 gallon drum

ANTIFREEZE, Ethylene Glycol base
SCL Matl. Std.: none

Stock Number	Stock Unit	Description
726034	GL	TYPE I, Per Fed. Spec. O-A-548, in one gallon drum

LUBRICANTS - GREASE
SCL Matl. Std.: none

Stock Number	Stock Unit	Description	Approved Manufacturers
726580	GL	CUTTING FLUID in 1 gal container. Bio-degradable for use with 700 portable power drive	LPS Tapmatic Edge #43030
726532	TU	LUBRICANT for air circuit breakers, 4 oz tube	Alvania RL2
012249	TU	GREASE, multipurpose, for lubricating of overhead switch contacts	Shell Darina EP2 or Shell Darina SD2 in 14 oz caulking tubes

LUBRICANTS - OIL
SCL Matl. Std.: none

Stock Number	Stock Unit	Description	Approved Manufacturers
723034	CN	LIGHT MACHINE, 4 oz can	Markal # 79704 Zoom (replaces "3 in 1" which is no longer available)
752100	LB	MULTI-PURPOSE GEAR, Class D, SAE 80W-90 RPM, multi-service gear lubricant in 120 lb NR drum	–
752116	QT	SAE 30, Series 3, for heavy duty equipment	–

LUBRICANTS - GRAPHITE
SCL Matl. Std.: none

Stock Number	Stock Unit	Description	Approved Manufacturers
726570	EA	POWDERED, in 4 oz dispensing tube	Dixon "Jet-4", Graph "Air Gun"
726572	CN	FLUID, In 12 oz can, for use on padlocks, Teflon based lubricant.	Krylon Tri-Flow

PENETRANTS
SCL Matl. Std.: none
Stock Unit: CN

Stock Number	Aerosol Size, oz	Description	Approved Manufacturers
726536	11	LUBRICANT AND PENETRANT, greaseless, Per MIL-C-23411A	LPS Laboratories-00116
723031	12	PENETRATING OIL, lubricant and protectant	Polywater P7-12
723032	11	PENETRANT	Liquid Wrench L112

CHEMICALS AND PETROLEUM PRODUCTS

COMPOUNDS AND OILS, Insulating

Stock No.	Stock Unit	Description	Product Name	Matl. Std.
726318	GL	CABLE JOINT COMPOUND, for potheads, etc.	Minerallac 78	none
726320	QT	TAPING OIL, for splices on PILC cable	–	none
726322	GL	INSULATING COMPOUND, for XLP insulated cable end bells	G&W, NOVOID #224 MAC, CO-54	none
726323	CN	PIPE THREAD SEALING COMPOUND, for use on transformers	Rectorseal #5	none
726324	TU	FILLER COMPOUND, used in compression joints and deadends	Alcoa Filler Product (AFC)	none
753100	GL	ELECTRICAL INSULATING OIL	–	7531.0

COMPOUNDS, Oxide-Inhibiting

Stock No.	Stock Unit	Description	Matl. Std.
726180	EA	SYNTHETIC BASE WITH METAL PARTICLES, for compression connectors	7261.8
726181	EA	SYNTHETIC BASE WITHOUT GRIT OR ABRASIVE PARTICLES, for flat to flat and sliding contacts	7261.12
726182	EA	PETROLEUM BASE WITH ACID ETCH, for low pressure flat to flat such as IWCB bus bars	7261.1
725696	PT	RUST PREVENTIVE COMPOUND, No-Ox-Id "A" Special	none

COMPOUND, Duct Sealing

Stock No.	Stock Unit	Product Name	Matl. Std.
726294E	EA	GB, "Duct Seal" DS-500 MAC, “MACSeal"	none

LUBRICANT, Cable Pulling

Application: For all cables.

Stock No.	Stock Unit	Description	Matl. Std.
726223	BG	GEL, in 64 oz. bags for 3 and larger conduits	7262.2
726225	GL	GEL, in 1 gallon buckets	7262.2
726226	GL	POURABLE GEL, in 1 gallon jugs	7262.2
726227	PL	POURABLE GEL, in plastic 5 gallon pails	7262.2

CHEMICALS AND PETROLEUM PRODUCTS

CHEMICALS AND COMPOUNDS, MISCELLANEOUS

Stock No	Stock Unit	Description
726028	GL	ALCOHOL, denatured, 200 proof industrial solvent; Central Solvent "Solox Anhydrous 200", Commercial Solvent "Fotocol A-2 Anhyd", Georgia-Pacific "Pugetso A Anhydrous", Union Carbide "Anhydrol PM4083", Van Waters & Rogers "Vanzol A Anhyd", Wm. Barr & Co. "Klean Strip" GSL-26.
723030	EA	NEATS-FOOT OIL, for leather.
726290	LB	ICE REMOVAL COMPOUND, "Ice Foe" used on walks, harmless to plants.
726670	BX	SODA, baking.
726682	CN	WINDSHIELD DE-ICER, pressurized can, 14 oz with scraper.
726684	QT	PRIMER, PVC, purple, for use with sump discharges; Carlon #VC9932 Oatey #30806

ADHESIVES

Stock No	Stock Unit	Description
722020	TU	ADHESIVE, for waterproofing splices and-terminations; GE A50P68, 3M-847, 5 oz tube.
722022	TU	ADHESIVE, to bond materials to concrete; B.F. Goodrich #PL200.
726548	EA	ADHESIVE; Loctite Super Bonder 495 (Crazy Glue) or approved equal for use on joints for Nitrile rubber gaskets.
726550	LB	GLUE, plastic resin, Weldwood.
726555	PT	GLUE, transparent, waterproof, Elmer's Glue-All.
726680	CN	CEMENT, PVC solvent, in 1 pint brush cans; Carlon VC9923 Medium Bodied Gray United Elchem 40446S Medium Clear
726685	PT	CEMENT, PVC pipe, clear, in 1 pint dauber cans, Christy's Red Hot Blue Glue RH-RHBG-PT. For joining sump pump discharge pipes and hoses.

COMPOUNDS AND OILS, PLUMBING

Stock No	Stock Unit	Description
726350	CN	PIPE JOINT, "Mitee". not for use on oil.
726366	LB	LUBRICANT, packing gland, John Crane pipe joint compound only.
736690	RL	PIPE THREAD SEALANT, Teflon tape, 1/2" x 260", Permacel "Ribbon Dope".

CHEMICALS AND PETROLEUM PRODUCTS

CLEANERS AND DEGREASERS

Stock Number	Stock Unit	Description
726156	EA	CLEANER, ELECTRICAL, FLAMMABLE, 100% citrus derivative, in 15-oz. aerosol cans. Inland Technology Inc. "Citra Safe". Not for cable cleaning.
010698	GL	CLEANER, PCB SPILL CLEANUP and ELECTRICAL, FLAMMABLE, 100% citrus derivative, in 1-gallon jugs. Inland Technology Inc. "Citra Safe". Not for cable cleaning.
726157E	PK	CLEANER, ELECTRICAL INSULATION, replacement for trichlor, saturated wipe in sealed pouch. SCL Matl. Std.: 7261.5.
726158	GL	CLEANER, ELECTRICAL INSULATION, replacement for trichlor, in 5-gallon pails. SCL Matl. Std.: 7261.5.
726163	EA	CLEANER, ELECTRICAL INSULATION, replacement for trichlor, in 1-quart bottles. SCL Matl. Std.: 7261.5.
726166	GL	CLEANER, FOR PCB SPILL CLEANUP, "Ecomate - MPC" (from SOQ Environmental Technology).
726168	CN	CLEANER/DEGREASER, fast drying, for cleaning network protectors. Polywater FD-9. In 9-oz. aerosol can.

FERTILIZERS

Description: Tree and shrub, analysis 6-10-8.
Stock Number: 726708
Stock Unit: LB

PEATMOSS

Description: Canadian Sphagnum, fine grind, in 5.6-cubic-foot bales.
Stock Number: 726744
Stock Unit: EA

WATER, DISTILLED

Description: Used for maintenance of station batteries.
Stock Number: 726027
Stock Unit: GL

COBRA ROD WOOD PRESERVATIVE KIT

COBRA ROD WOOD PRESERVATIVE KIT

Description: Diffusible, wood pole, preservative kit, consisting of six 1/2" x 4-1/2" Cobra Rods, three twist-in plastic plugs, one tag, and one nail. Shelf life is four to five years in sealed packages. Effective for eight to ten years after installation. Cobra Rod Utility Pack, Genics product code 20220.

Application: For field insertion into existing wood poles that are in need of preservative to control decay and prevent fungal growth. For best results, insert into pre-drilled, 1/2-inch diameter hole. For more-detailed installation procedures, visit www.genicsinc.com.

SCL Matl. Std.: none
Stock Unit: EA
Stock Number: 013018

Lineworkers' Tools	***1***
Lineworkers' Tools	***2***
Tools - Cover-up Systems, Blankets and Accessories	***3***
Tools - Boots	***4***
Slings	***5***
Fire Extinguishers, Gas Cans, Funnels, Wheel Chocks, Flares	***6***
Wood Ladders, Single and Extension, Extra Heavy-Duty	***7***
Tools – Signs and Labels	***8***
Tools – Labels and Operations Tags	***9***
Traffic Control Equipment, Signs, Tapeand Flags	***10***
Traffic Control Equipment, Cones and Triangles	***11***
Tools – Environmental and Hazard Disposal	***12***
Tools – Environmental and Hazard Disposal	***13***
Letters and Numbers	***16***
Tools – Embosser and Tapes	***17***
Electrical Testers, Multimeter and Fuse Puller	***19***
Flashlights, Lanterns and Dry Batteries	***21***
Tools – Pliers, Screwdrivers and Hammers	***23***
Tools – Wrenches and Sockets	***25***
Tools, Drills	***27***
Tools, Brace and Bits	***28***
Tools – Taps	***30***
Tools – Measuring and Marking	***32***
Tools – Files	***34***
Tools – Files	***35***
Tools – File Handles and Card	***36***
Tools – Metal Working	***38***
Tools, Welding, Burning and Heat Shrinking Equipment	***40***
Solder and Soldering Equipment	***41***
Tools – Earthwork and Vegetation Management	***42***
Tools – Water Hose	***43***
Tools – Woodworking, Glass and Window	***45***
Paint Brushes and Wire Brushes	***47***
Tools – Miscellaneous	***49***

LINEWORKERS' TOOLS

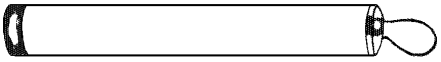
TOOLS AND EQUIPMENT

Per SCL Matl. Std.: none
Stock Unit: EA

Stock No.	Description
764220	SKINNING KNIFE, wood handle Buckingham 7080
764221	SKINNING KNIFE, plastic handle Klein #1570-3
012244	SKINNING KNIFE, ergonomic cushion rubber handle Buckingham 7090
765205E	SNAP, 3/4", harness, swivel, US2C finish Cooper/Covert, 760-5811
765220E	SNAP, 1" harness, swivel, US2C finish Cooper/Covert, 760-5821
'65410E	SWIVEL, 5/16" forged steel, US2G finish Crosby-Laughlin G402

LINE HOSE BAG, Canvas

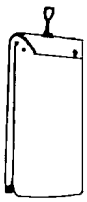
Per SCL Matl. Std.: 7601.1
Stock Unit: EA



Stock No.	Dimensions, in.
760148	7 or 8 diameter x 42 long

GLOVE BAG, Canvas

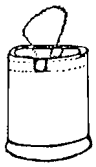
Per SCL Matl. Std.: 7601.3
Stock Unit: EA



Stock No.	Dimensions, in.	Type
760153	8 x 15	High Voltage
760154	6 x 11	Low Voltage

TOOL BAG, Canvas

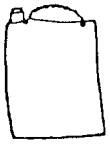
Per SCL Matl. Std.: 7607.1
Stock Unit: EA



Stock No.	Dimensions, in.	Length, in.
760735	12	16

WATER BAG, Canvas

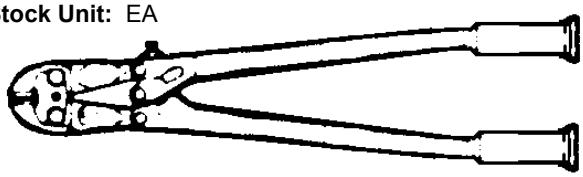
Per Forest Service Spec.: 35
Stock Unit: EA



Stock No.	Capacity, gal.
760165	2

BOLT CUTTERS, Wire and Metal

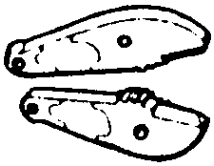
Per SCL Matl. Std.: none
Stock Unit: EA



Stock No.	Description
761216	WIRE CUTTER, Center cut, fiberglass handles, 24-1/2" long. Heavy duty jaws enable cutting 3/8" guy wire as well as aluminum, rubber covered or copper wire. H K Porter 0190FCX
761221	HARD METAL CUTTING, heavy duty, center cut, round edge, 36" long. Will cut 7/16" hard steel, stainless steel, rebar, tempered spring wire, 5/8" hard bolts, rivets, screws or wire or 1/2" hard guy strand. Not for cutting soft or medium steel, iron, soft bolts, rivets, screws or wire or non-ferrous metals. H K Porter 0390MCX
761227	METAL CUTTING, ratchet type, for shearing cuts, 29-1/4" long. Will cut 1000 kcmil all aluminum or copper cable, 1-3/16" telephone cable, 954 kcmil ACSR, 1/2" common steel strand, soft steel rods or bolts, or 3/8" wire rope. H K Porter 8690FH.

BOLT CUTTER JAWS

Per SCL Matl. Std.: none
Stock Unit: EA



Stock No.	For Bolt Cutter Stock No.	H K Porter Cat. No.
764110	761216	0112C
764120	761221	0312C

THERMOS JUG

Per SCL Matl. Std.: none
Stock Unit: EA

Stock No.	Capacity, gal.
764145	2

LINEWORKERS' TOOLS

HOOKS, CHAIN, Alloy Steel

Per ASTM A591-65 (ANSI G61.1-1968)
To be tested per WAC 296-24-29423
To be issued to Steel Shop ONLY
Stock Unit: EA

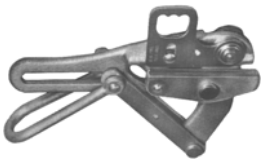
Stock No.	Chain Size-Inch	Style & Class
764041	5/16	Grab #2
764042	3/8	Grab #2
764046	1/4	Grab #2
764043	3/8	Slip #1

GRAB

SLIP

GRIPS, WIRE, Jaw Type

Stock Unit: EA



Stock No.	Jaw Cap.	Max. SWL LBs.	Klein Cat. No.
❖ 763480	0.1" to 0.37"	4500	1613-40H
763492	0.125" to 0.5"	5000	1604-20
★ 763490	0.125" to 0.5"	5000	1604-20L
763482	0.218" to 0.55"	8000	1684-5
❖ 763483	0.218" to 0.55"	8000	1684-5H
763495	0.284" to 0.75"	8000	1625-20
✣ 763489	0.49" to 0.79"	8000	1659-40
❖763485	0.53" to 0.74"	8000	1656-40H
❖763488	0.78" to 0.88"	8000	1656-50H
❖ 763497	1.08" to 1.14"	5500	1678-40H
❖ 763499	1.14" to 1.2"	5500	1678-50H

❖ Hot line latch style.
★ With cable holding swing latch
✣ for PVC covered conductors.

TOOLS – COVER-UP SYSTEMS, BLANKETS AND ACCESSORIES

General Application: Used to form a barrier for energized parts.

All Stock Units: EA

COVER-UP SYSTEM

Description: Orange, elastomer, Salisbury extended lip SU cover-up system for use on voltages through 34.5 kV. Class 4, Type II.

SCL Matl. Std.: none

012831

012832

012833

Stock Number	Style	Weight, lbs	Salisbury Catalog Number
012831	SU system connector, for 2.5 in dia. hose	3	UC-2
012832	straight line hose, 2.5 in dia. x 4.5 ft	11	SU250-45
012833	post type insulator cover, fits 2.5 in dia. hose	8	PTHL

INSULATOR COVER

Description: Orange, elastomer, conventional insulator cover for use on voltages through 26.4 kV. Class 2, insulator cover, for 55-1, 55-2, and 55-3 insulators

SCL Matl. Std.: none

012834

Stock Number	Weight, lbs	Salisbury Catalog Number
012834	5	OFRG

LINE HOSE, Insulating, Rubber

Description: Connector end type. Type II. Line hose remains flexible in sub-zero temperatures. Packaged one hose per package.

SCL Matl. Std.: none

763302

Stock Number	Size, in	Weight, lb	Salisbury Catalog Number
763302	1 x 36	3	OR100-3C

BLANKET, Insulating, Rubber

Description: Insulating rubber blanket.

SCL Matl. Std.: 7633.3

Stock Number	Size, in	Style
763330	22 x 22 x 1/8	snap button
763332	36 x 36 x 1/8	eyelet

BLANKET, Insulating, Yellow Rubber, 600 V

Description: Insulating yellow rubber blanket with Velcro fasteners around perimeter

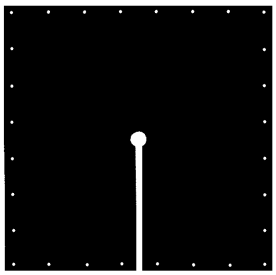
SCL Matl. Std.: none

Stock Number	Size, in	Salisbury Catalog Number
763325	18 x 18	1818Y-LV
763326	18 x 36	1836Y-LV
763327	36 x 36	3636Y-LV

BLANKET, Insulating, slotted style

Description: Insulating slotted rubber blanket, Class 4, Type II, black, with 28 eyelets.

SCL Matl. Std.: none



012836

Stock Number	Size, in	Weight, lbs	Salisbury Catalog Number
012836	22 x 22	2.5	15-1

BLANKET PIN, Clamp

Description: 7-inch, for use with rubber blankets

Approved Manufacturer: Salisbury #25

SCL Matl. Std.: none

Stock Number: 582532

TOOLS – BOOTS

KNEE BOOTS, Rubber, Heavy Duty

Description: Steel safety toe and steel shank per ANSI Z41.i.

Note: Seattle City Light Material Control personnel may identify and approve manufacturers.

SCL Matl. Std.: none

Stock Unit: PR

	Size		Approved Manufacturers		
Stock Number	M	F	Bata (Honeywell)	Boss	On Guard
760586	–	5	–	–	–
760587	–	6	–	–	84451–4
760588	–	7	–	–	84451–5
760589	6	8	87516-6	2KS6231-6	84451–6
760590	7	9	87516-7	2KS6231-7	84451–7
760591	8	10	87516-8	2KS6231-8	84451–8
760592	9	11	87516-9	2KS6231-9	84451–9
760593	10	–	87516-10	2KS6231-10	84451–10
760594	11	–	87516-11	2KS6231-11	84451–11
760595	12	–	87516-12	2KS6231-12	84451–12

HIP BOOTS, Rubber

Description: Steel safety toe and steel shank per ANSI Z41.

Note: Seattle City Light Material Control personnel may identify and approve manufacturers.

SCL Matl. Std.: none

Stock Unit: PR

	Size		Approved Manufacturers	
Stock Number	M	F	Bata (Honeywell)	Boss
760570	–	5	–	–
760571	–	6	–	–
760572	–	7	–	–
760578	6	8	GR87102-6	2HS6231-6
760579	7	9	GR87102-7	2HS6231-7
760580	8	10	GR87102-8	2HS6231-8
760581	9	11	GR87102-9	2HS6231-9
760582	10	–	GR87102-10	2HS6231-10
760583	11	–	GR87102-11	2HS6231-11
760584	12	–	GR87102-12	2HS6231-12

SLINGS

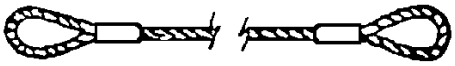
WIRE ROPE SLINGS

Description: Type 1, Class 2, Construction 4 of 6 x 19 improved plow steel wire rope, with independent wire rope core, right regular lay, and uncoated finish (bright).

Application: Used to rig and hoist loads. Before starting a job, sling users shall be trained in the selection, inspection, cautions to personnel, effects of the environment, and rigging practices cited in ANSI/ASME B30.9. Refer to material standard for rated capacity information.

SCL Matl. Std.: 7654.5

Stock Unit: EA



Stock No.	Rope Diameter, in	Length, ft
765420	3/8	2
765424	3/8	3
765428	3/8	4
765432	3/8	5
765434	3/8	6
765440	3/8	12
765454	1/2	3
765458	1/2	4
765462	1/2	5
765464	1/2	6
765470	1/2	12

NYLON SLINGS

Description: Yellow, 2-inch-wide, type IV (twisted-eye), nylon slings, also known as synthetic webbing slings.

Application: Slings are used to rig and hoist loads. Before starting a job, sling users shall be trained in the selection, inspection, cautions to personnel, effects of the environment, and rigging practices cited in ANSI/ASME B30.9. Refer to material standard for rated capacity information.

SCL Matl. Std.: 7654.80

Stock Unit: EA

Stock No.	Length, ft	Construction
765480	3	one-ply
765484	4	one-ply
765485	5	two-ply
765486	6	two-ply
765488	8	two-ply
765490	10	two-ply
765492	12	two-ply

FIRE EXTINGUISHERS, GAS CANS, FUNNELS, WHEEL CHOCKS, FLARES

FIRE EXTINGUISHER

SCL Matl. Std.: none
Stock Unit: EA

Stock No.	Type	Size, lbs
722496	carbon dioxide ‡	10
722498	carbon dioxide ‡	15
722500	"A-B-C", dry chemical	10
722502	"A-B-C", dry chemical	02.5

‡ carbon dioxide extinguishers come with horn

BRACKET, Fire Extinguisher

SCL Matl. Std.: none
Stock Unit: EA

Stock No.	For Use with Stock No.	Size, lbs
722508	722498	15
722506	722500	10
722504	722502	2.5

WHEEL CHOCK

Description: aluminum, with handle

Application: Wheel chocks are used as a back up measure to prevent a vehicle from rolling down a hill in the event the vehicle's parking break system fails.

For proper application, refer to Work Practice 0057.03.

Misapplication of wheel chocks could lead to serious personal injury to Seattle City Light employees or the general public.

SCL Matl. Std.: 7609.30
Stock Unit: EA
Stock No.: 760931

FUNNEL, Plain, Tin – Deplete Stock

Application: Funnels of this type are no longer purchased in these sizes or this material. Crews are encouraged to work with Material Control to coordinate depleting existing inventory. After inventory is depleted use Stk Nos 013168, 013169, and 013170.

SCL Matl. Std.: none
Stock Unit: EA

Stock No.	Nominal Diameter, in	Plews Catalog Nos
762437	6.50	75-011
762439	8.00	75-012

GASOLINE CAN, Safety

Description: Bright flame red with spring hinged cap with short fixed pouring spout.
SCL Matl. Std.: none
Stock Unit: EA

Stock No.	Size, gal	Type
722218	1	1
722220	2	1
722224	5	1

GASOLINE CAN

Description: five gallon with flat sides and recessed handle
Military Specification: C-1283, Blitz #11010
SCL Matl. Std.: none
Stock Unit: EA
Stock No.: 722228

RED WARNING FLARE

Description: 20 minute
SCL Matl. Std.: none
Stock Unit: EA
Stock No.: 762450

FUNNEL, General Purpose, Polyethylene

Application: For general purpose liquid channeling. May be used for petroleum products.

SCL Matl. Std.: 7659.03
Stock Unit: EA

Stock No.	Nominal Diameter, in	Manufacturers and Catalog Nos		
		Plews Edelmann	Wilmar Corp.	Wirthco
013168	5.5	75-062	W4015	32831
013169	7.5	-	W4064	-
013170	8.0	75-064	W54275	-

WOOD LADDERS, SINGLE AND EXTENSION, EXTRA HEAVY-DUTY

WOOD LADDERS AND ACCESSORIES

Description: Extra heavy-duty, wood, single and extension ladders and accessories. Extension ladders are provided with a rope and pulley.

Application: Wood ladders are used by operations personnel to access underground vaults and above ground structures. Highest standing levels are below. Maximum intended load is 300 pounds.

Ladders are furnished with pivot shoes as standard. If slip-on shoes are required, request Stock Number 013010 and contact Standards for information on how to perform the retrofit.

SCL Matl. Std.: 7644.20

Stock Unit: EA

Stock Number	Description, ladder type	Highest Standing Level	Weight, lb
013007	16-foot single	12 feet 6 inches	33
013008	18-foot single	14 feet 6 inches	42
013009	24-foot extension	17 feet 4 inches	55
013010	Slip-on ladder shoes, pair		-

TOOLS – SIGNS & LABELS

DANGER & CAUTION SIGNS

SIGN, "DANGER-HIGH VOLTAGE", PRESSURE SENSITIVE

Stock Unit. EA

Stk. No.	Size	Description
765182	7" x 10"	Exterior grade vinyl. Brady Co. Cat #84876 or equal.

SIGN, "DANGER-HIGH VOLTAGE"

For mounting on transformer poles and enclosures.
Fiberglass or enameled aluminum. Stock Unit: EA

Stock No.	Size Inches	C.L. Spec.
765181	7 x 10	7651.10
765207	14 x 20	7652.5
765212	10 x 14	7652.0

765181

765207

765212

SIGN, "DANGER", REFLECTIVE

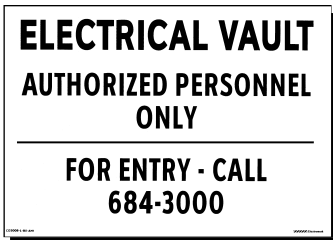
Scotchlite with adhesive back
Per C.L. Spec. 7651.9
Stock Unit: EA

Stock No.	Size, Inches
765195	3 x 14-1/2

SIGN, "ELECTRICAL VAULT", URD

Pressure sensitive, indoor/outdoor vinyl.
Black lettering on reflective yellow background.
Stock Unit: EA

Stock No.	Size, Inches
765209	10 X 14

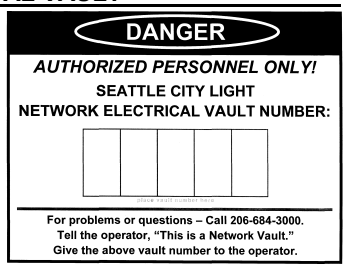


SIGN, "NETWORK ELECTRICAL VAULT"

Pressure sensitive, indoor/outdoor vinyl.
Black lettering on reflective white background. Red background in "DANGER" oval.
Stock Unit: EA

Stock No.	Size, Inches
010684	10 X 14

Put vault number on sign with the 2-7/8" adhesive letters and numbers shown on page 76-16.



SIGN, MULTI LANGUAGE DANGER, PLATE

Stainless Steel. For use on subsurface vault covers.
To be welded on by Shops to help prevent dumping of contaminants into vaults.
Stock Unit: EA

Stock No.	Size Inches
765194	9-3/8 x 4 x 5/8

SIGN, TOWER, CIRCUIT IDENTIFICATION

Aluminum, 6" x 20", No lettering, to be provided by installation crews.
Per C. L. Spec. 7652.4
Stock Unit: EA

Stock No.
765210

PCB LABELS

LABEL, "LESS THAN 1 ppm PCB"

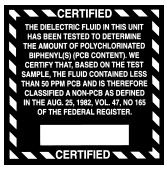
Pressure sensitive vinyl, WHITE ON LIGHT GREEN
Stock Unit: EA

Stock No.	Size, In.	Manufacturer
765211	6 x 6	Galaxy Specialty or equivalent.

LABEL, "CERTIFIED NON-PCB" – Less Than 50 PPM

Fed. Spec. Vol. 47 No. 1 65
Pressure sensitive vinyl, WHITE ON BLUE
Labelmaster #PPMR or equivalent.
Stock Unit: EA

Stock No.	Size, Inches
765206	6 x 6



LABEL, "PCB CONTAMINATED"

Pressure sensitive vinyl, BLACK LEGEND ON WHITE
Stock Unit: EA

Stock No.	Size	Manufacturer
765208	6 x 6	Labelmaster #PCONR or equiv.

LABEL, PCB'S

Pressure sensitive Vinyl. BLACK LEGEND ON YELLOW background per EPA Reg. 40CFR761.
Stock Unit: EA

Stock No.	Size, Inches
765201	6 x 6

TOOLS, LABELS AND OPERATIONS TAGS

LABEL, "CALL BEFORE YOU DIG"

Description: Pressure sensitive exterior grade vinyl. One call UG location service.

SCL Matl. Std.: none

Stock Unit: EA

Stock Number	Size, in
765255E	4 x 5

LABEL, "FIRST AID KIT INSIDE"

Description: Green lettering on white background. 3M Pressure sensitive industrial grade (7 yr.) reflective vinyl.

SCL Matl. Std.: none

Stock Unit: EA

Stock Number	Size, in
761166	6 x 5

LABEL, CABLE MARKERS, Wraparound

Description: 1-inch high black lettering "001" on reflective yellow background.

Application: For identifying communications cable or fiber optic aerial duct as being owned by Seattle City Light.

SCL Matl. Std.: none

Stock Unit: EA

Stock Number	Minimum Size, in
012510	4 x 7

OPERATIONS TAGS

Description: Color-coded operations tags, made of either rigid PVC vinyl or card stock depending on application.

Application: Operations tags are used by field personnel in the performance of switching and tagging procedures. A complete description of how operations tags are used may be found in Seattle City Light's *Systems Operations Clearance Keep Open and Hold Open Procedures* book.

SCL Matl. Std.: 7653.22

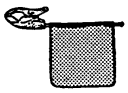
Stock Unit: EA

Stock Number	Tag Label	Color
013207E	"Danger Keep Open"	florescent orange-red
013208E	"Abnormal Condition"	solid yellow
013239E	"Station Warning Tag"	florescent orange-red
013240E	"Recloser Off"	blue

TRAFFIC CONTROL EQUIPMENT, SIGNS, TAPE AND FLAGS

FLAG, RED, WITH STAFF AND CLAMP

Description: vinyl coated nylon without letters

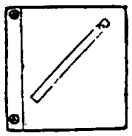


SCL Matl. Std.: none
Stock Unit: EA

Stock No.	Size, in	Pacific Safety Catalog Id
762405	12 x 12	#Flag Spring Assembly

FLAG, WARNING

SCL Matl. Std.: 7624.10
Stock Unit: EA



Stock No.	Size, in
762407	16 x 16

STAFF, WARNING FLAG, PVC

SCL Matl. Std.: 7624.11

Stock Unit: EA

Stock No.	Size, in	Description
762408	3/4 x 30	medium, type “A” PVC
762409	1 x 30	heavy, Schedule 80 PVC

PADDLE, TRAFFIC CONTROL

Description: reversible, “STOP/SLOW", 24″ diameter
Stock Unit: EA

Stock No.	Construction	Description
765186	rigid plastic	SCL Matl. Std.: 7651.8
765188	vinyl roll-up, includes handle, staff, and bag	Pacific Safety #RF 243 SCL Matl. Std.: none

TAPE, BARRICADE

Description: 3-in width, 1000-foot rolls, 3 mils thick (±1 mil), black printing.
SCL Matl. Std.: none
Stock Unit: RL

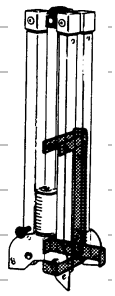
Stock No.	Tape Color	Description
761150	white	"Asbestos"
761152	red	"Hazardous Area"
761154	yellow	black diagonal stripes, no legend, for marking clearance area

ADVANCE WARNING SIGN, Diamond Shape, Reflectorized, 48″

Description: Sign holder and cross brace with flag.
SCL Matl. Std.: none
Stock Unit: EA

761173

Stock No.	Description	Manufacturer Catalog Id: MDI Traffic Control Products	Manufacturer Catalog Id: Pacific Safety Supply
012569	"BE PREPARED TO STOP”	-	RF48B13S3F3- “be prepared to stop”
012570	"DOUBLE TRANSITION”	-	RF48B13S3F3- “double transition”
761173	"UTILITY WORK AHEAD”	#DCF-04204	RF48B13S3F3-UWA
761174	"ROAD CLOSED AHEAD"	#DCF-04107	RF48B13S3F3-RCA
761176	"ONE LANE ROAD AHEAD”	#DCF-03650	RF48B13S3F3-OLRA
761177	"RIGHT LANE CLOSED AHEAD" with ”LEFT" overlay	#DCF-03658 and #PF-04409	RF48B13S3F3-RLCA with ROL 48 LEFT
761178	FLAGGER (symbol)	#DCF-03643	RF48B13S3F3-FS
761180	WINDMASTER SIGN HOLDER	#4814DLK	PS3000S-RBLK
761171	CROSS BRACE, with 3 high-level warning flags	#DLX-03593 Duralatch	X48BS3F3
761181	BRACKET, TRUCK MOUNT, sign base	SA-03322	TB3000


761181

TRAFFIC CONTROL EQUIPMENT, CONES AND TRIANGLES

TRAFFIC SAFETY CONE

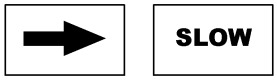
Description: Traffic safety cone, polyvinyl chloride (PVC), 28 inches tall, fluorescent retroreflectorized. Cone has a nominal weight of 8 pounds and a standard profile.

Application: Traffic safety cones are used to channelize road users, divide opposing vehicular traffic lanes, divide lanes when two or more lanes are kept open in the same direction, and delineate short duration maintenance and utility work. Cones are appropriate for day or night time use on low-speed roadways or freeways. To minimize the possibility of being blown over or displaced by moving vehicular traffic, cones may be doubled up to increase their weight.

SCL Matl. Std.: 7611.10
Stock Unit: EA
Stock No.: 761125

CONE MOUNTED WARNING SIGN

Description: Plastic, reflective orange. Snaps onto 28-inch traffic cones.



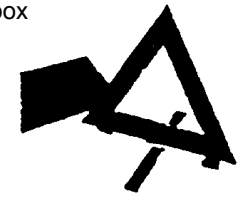
012245 012246

SCL Matl. Std.: none
Stock Unit: EA

Stock No.	Size, in	AW Direct
012245	12-3/4 x 10-1/2	RCS-7, 1A Arrow
012246	12-3/4 x 10-1/2	RCS-7, 2D Slow

REFLECTIVE TRIANGLE, Flare Kit

Description: set of 3 in storage box
Per DOT Spec.: MVSS-125
SCL Matl. Std.: none
Stock Unit: EA
Stock No.: 762410



TOOLS - ENVIRONMENTAL AND HAZARD DISPOSAL

DRUMS, Empty, Hazardous Waste

Description: Rated for storage and transport of flammable and combustible liquids, poisons, corrosives and other hazardous waste materials. Drums must be new. Used drums are not acceptable.
SCL Matl. Std: none
Stock Unit: EA

Stock Number	Size, gal	U.N. Rating	Description	Material
755100	5	1A1/Y2.4/300	Closed head; 2-3/4″ screw cap	steel
755200	10	1A2/X100/S	Open top, locking ring closure	steel
755300	20	1A1/Y1.7/340	Closed head; 2-3/4″ screw cap	steel
755400	20	1A2/X185/S	Open top, locking ring closure	steel
755500	5	1H1/Y1.8/100	Closed head; 2-3/4″ screw cap	polyethylene

PCB TESTING MATERIALS

SCL Matl. Std: none

Stock Number	Stock Unit	Description	Manufacturer
765905	EA	SYRINGE, 35 cc disposable with catheter tip	Monoject No. 535028 or equivalent
765910	FT	TUBING, 1/4″ ID x 3/8″ OD, flexible clear PVC.	VWR No. 63013-062 or equivalent

BIOHAZARD DISPOSAL CONTAINERS, LABELS AND ENVELOPES

SCL Matl. Std: none

Stock Number	Stock Unit	Description
761161	EA	Container, 1.4 quart, for collection of used hypodermic needles found during the course of City Light work. Becton-Dickinson & Co. No. 5487
761162	EA	Container, single syringe/needle size, plastic for collection of used needles. Normed No. 7787
761164	EA	Bag, 24 ″ x 24″, 7-10 gal size, plastic, 1 mil, red with biohazard symbol for disposal of contaminated materials. Normed No. 7782 or equivalent.
761165	EA	Bag, 31″ x 41″, 30 gal size, plastic, 2 mil, red with biohazard symbol, for disposal of contaminated materials. Normed No. 7783 or equivalent.
761163	PK	Label, 4″ x 4″ orange adhesive with black biohazard symbol. To label contaminated items for disposal. Twenty-four labels per pack. Normed No. 7705 or equivalent.
761167	EA	Envelope, 5-1/2″ x 10″ back loading, press-on. Printed ″Hazardous Waste″. 1000 envelopes per carton. Associated Bag Co. 45-2-82 or equivalent.
761168	EA	Envelope, 5-1/2″ x 10″ back loading, press on, clear. 1000 envelopes per carton. Associated Bag Co. or equivalent..

SWAB, Lead Testing

Description: Lead Check Cat. No. 2M16
Application: For detecting the presence of lead in paint and on surfaces
SCL Matl. Std.: none
Stock Unit: PK
Stock Number: 765920

BAG, Asbestos Disposal

Description: 6 mil yellow poly, with black printed OSHA approved asbestos danger warning
SCL Matl. Std: none
Stock Unit: EA

Stock Number	Size
761170	33″ x 50″
761172	38″ x 60″

BAG, Transformer

Description: 10 mil, 5 ft wide by 9 ft long, poly (oil resistant)
SCL Matl. Std: none
Stock Unit: EA
Stock No.: 761195

TOOLS - ENVIRONMENTAL AND HAZARD DISPOSAL

SPILL CLEANUP KIT
Application: For use on trucks having oil and hazardous materials. Items listed below the kit are expendable items.
SCL Matl. Std: none

Stock No.	Description	Stock Unit	Size	Advanced Environmental Solutions Catalog No.
756100	SPILL CLEANUP KIT	EA	55 gal. drum	built per quote per items listed below
756106	CONTAINER, Spill Kit, Empty, PVC, "6 gallon weatherproof pack"	EA	18″ x 22″ x 4″	24006
756107	BAG, Plastic Zip Lock. 4 mil polyethylene for holding used absorbent material (500/Case).	EA	20″ x 26″	04041 (A)
756108	BAG, Plastic Zip Lock. 4 mil polyethylene for holding used absorbent material (500/Case).	EA	12″ x 15″	04030E
756101	SOCK, Oil Absorbent, white	EA	3″ x 48″	24058
756109	SOCK, Water Soluble Materials, yellow	EA	3″ x 48″	24069
756102	SOCK, Oil Absorbent, white	EA	3″ x 96″	24059
756111	PAD, Water Soluble Materials, yellow	BL (100 pads/Bale)	17″ x 19″	24035
756112	LINER. Drum for holding used absorbent material from spill clean up kits	RL (50/ bags/RL)	38″ x 64″ x 6 mil	04009
756103	MAT, Drain "Spilstopper"	EA	36″ x 36″	11070
756104	NEUTRALIZATION MEDIA, Acid/Base, pH 9	EA	3 lb. shaker	20210
756105	REPAIR STICK, Ultra. For plugging ruptured fuel tanks, drums, etc.	EA	–	04019
756113	CONTAINER, Spill Kit, Empty, yellow nylon Bag	EA	17″ x 17″ x 4.5 mils	16084
756114	CONTAINER, Spill Kit, Empty "Response Bucket"	EA	6.5 gal.	03056R

ABSORBENT MATERIALS
SCL Matl. Std: none

Stock No.	Description	Stock Unit	Size	Manufacturer and Catalog No. or Matl. Std.
777641	SHEETS, Oil Absorbent, white, 3 ply, with middle perforations, for cleaning oil from connectors and vault walls.	BL	16″ x 20″	Johns Manville PAD HP100W National Safety #647-NSI-SC150
726330	OIL ABSORBENT MATERIAL, oil solidifier, for oil removal in water filled vaults.	EA	25 lb. drums	Liquid Waste Technologies, Inc.
726332	ABSORBENT MATERIAL, for oil and water on floors and decks.	LB	–	Matl. Std 7263.3
726334	OIL ABSORBENT MATERIAL, petroleum and solvents - rejects water.	EA	4 lb. shaker containers	Mantek Spill Mate #4088
726335	OIL ABSORBENT MATERIAL, petroleum and solvents - rejects water.	EA	5 gal. buckets	Mantek Spill Mate #4625

LETTERS AND NUMBERS

REFLECTIVE LETTERS AND NUMBERS

Description: Pressure sensitive, reflective letters and numbers, 2-7/8 by 1-3/4 inches, yellow characters on black backing.

Application: For marking a variety of equipment and material, including wood poles. Product is appropriate for above and below ground applications. Letters and numbers may be affixed to wood poles with the aid of a flexible, horizontal panel, Stock Number 766300, which provides backing for up to eight characters.

SCL Matl. Std.: 7650.07

Stock Unit: PK (25 per pack)

Stock Number	Character	Stock Number	Character
766310	0	012997	E
766311	1	013074	F
766312	2	766320	H
766313	3	766334	K
766314	4	766321	M
766315	5	766322	N
766316	6	766323	P
766317	7	766324	S
766318	8	766333	T
766319	9	766330	U
766328	A	766325	V
766332	B	766326	W
766329	C	766331	FDR
766335	D	766327	- [*Dash*]

PANEL

Description: Flexible, horizontal panel, 3-15/16 by 17-3/4 inches.

Application: For affixing pressure sensitive, reflective letters and numbers to wood poles. Provides backing for up to eight characters; refer to Material Standard for reflective letters and numbers.

SCL Matl. Std.: 7650.07

Stock Unit: EA

Stock Number: 766300

POLE TAGS AND HOLDERS

Description: 7/8 by 1-5/8 inches, embossed, aluminum number tags and aluminum mounting holder.

Application: Embossed aluminum number tags and custom sequential bar codes are primarily used to mark power and streetlight poles. They may also be used to mark other assets.

Embossed aluminum number tags and custom sequential bar codes are intended for above ground applications.

Embossed aluminum number tags and custom sequential bar codes are affixed to poles with the aid of vertical, aluminum holders, Stock Number 013072, which provide backing for up to seven numbers plus one bar code.

Individual number tags are available as separate stock items to repair damaged sets. Custom sequential bar codes are only available as components of assembled, sequential sets. If assembled sets are required, users must contact Material Control and provide a beginning and ending number sequence.

SCL Matl. Std.: 7650.13

Stock Unit:

Number tags: PK (25 per pack)

Holder: EA

Stock Number	Description
013062	0
013063	1
013064	2
013065	3
013066	4
013067	5
013068	6
013069	7
013070	8
013071	9
013072	holder only
013073	assembled set

TOOLS – EMBOSSER AND TAPES

LABELING TAPE, Reflective, for Brady Labelizer System

Description: Industrial grade, reflective labeling tape contained in special refill cartridge designed for use with Brady Labelizer system. Refill cartridges contain both background reflective tape and black print ribbon. Labels are suitable for outdoor use. The Brady Labelizer is a legacy system that is no longer supported by the manufacturer. Refer to new Brady Globalmark system for an alternate.
Application: Custom, reflective labels for marking transformers and creating special purpose signage.
SCL Matl. Std.: none
SCL Std. File: 7659.00
Stock Unit: EA

Stock No.	Description	Brady Cat. No.
010389	Black print on white tape refill, 2-1/4″ x 75′	64740
010390	Black print on yellow tape refill, 2-1/4″ x 75′	64404

EMBOSSING TOOL, Hand

SCL Matl. Std. 7658.5
Stock Unit: EA

Stock No.	Type
765886	plastic
765887	metal

TAPE PROTECTOR, Metal

Application: Use with Stock No. 723370 stainless steel tape to prevent cuts after tape is installed on cable.
SCL Matl. Std.: none
Stock Unit: RL

Stock No.	Almtec Cat. No.
723378	SH-100

EMBOSSING TAPE, Aluminum

Description: roll size 4-7/8 ID, 6-1/2 OD
Application: for use in “rover” embossing machine only
SCL Matl. Std.: none
Stock Unit: RL

Stock No.	Width, in	Thickness, in
723376	1/2	0.012

LABELING TAPE, Reflective, for Brady Globalmark System

Description: Industrial grade, reflective labeling tape contained in special refill cartridge designed for use with Brady Globalmark system. The Brady Globalmark system is an alternate to the (legacy) Brady Labelizer system. Yellow and silver reflective tapes are used in conjunction with a black print ribbon to make labels.
Application: Custom, reflective labels for marking transformers and creating special purpose signage. Labels are suitable for outdoor use.
SCL Matl. Std.: none
SCL Std. File: 7659.00
Stock Unit: EA

Stock No.	Description	Brady Cat. No.
012690	Yellow tape refill, 2-1/4″ x 50′	96061
012691	Silver tape refill, 2-1/4″ x 50′	76706
012692	Black print ribbon refill, 4″ x 200′	76739

EMBOSSING TAPE

SCL Matl. Std. 7658.5
Stock Unit: RL

Size, in	Material	Stock No.	Color
1/2	plastic	723359	black
		723360	yellow
		723362	red
		723364	gray
		723365	blue
		723366	green
	stainless	723370	-
	aluminum	723372	-
3/4	plastic	723380	red
		723382	black

ELECTRICAL TESTER, MULTIMETER AND FUSE PULLER

FUSE PULLER, 7-1/2 inch, Pocket Size

Application: This insulated fuse puller can be used to remove cartridge fuses 1/2- to 1-inch in diameter in equipment up to 600 V.

SCL Matl. Std.: none

Stock Unit: EA

Stock No.	Manufacturer and Catalog No
764807	Ideal, 34002

VOLTAGE TESTER, 120/600 V

Application: This voltage tester is commonly referred to as a “wiggie” and is used to detect the simple presence or absence of voltage or continuity.

SCL Matl. Std.: none

Stock Unit: EA

Stock No.	Manufacturer and Catalog No
765850	Knopp, 14460

MULTIMETER, Digital

Description: 0.1 to 600 Volts AC/DC, ohms, capacitance

Application: This multimeter is used to test for varied voltage levels and its non-contact voltage tester can detect the presence of voltage without leads.

SCL Matl. Std.: none

Stock Unit: EA

Stock No.	Manufacturer and Catalog No
765860	Fluke, 117

FLASHLIGHTS, LANTERNS AND DRY BATTERIES

BATTERIES, Dry Cell

SCL Matl. Std.: none

Stock Unit: EA

Stock No.	Type	Voltage	Used With	Electrolyte	NEDA* Type	Eveready Cat. No.	Ray-O-Vac Cat. No.
760191	AAA cell	1.5	flashlight	alkaline	24A	EN92	AL-AAA
760190	AA cell	1.5	flashlight	alkaline	15AC	EN91	AL-AA
760192	C cell	1.5	flashlight	alkaline	14AC	EN93	AL-C
760194	D cell	1.5	flashlight	alkaline	13AC	EN95	AL-D
760189	9 volt transistor	9	testers and equipment	alkaline	1604AC	EN22	AL-9V
760185	6 volt lantern with spring terminals	6	lantern	alkaline	924	EN529	806
760186	6 volt lantern with screw terminals	6	barricade flashers	-	925	EV10S	942
760187	6 volt lantern	6	lantern Stock No. 764377	-	918	EV31	918

* National Electronic Distributors Association (NEDA)

LANTERNS, High Tension Steel, Galvanized

SCL Matl. Std.: none

Stock Unit: EA

Stock No.	Description	Manufacturer and Catalog No.
764377	LANTERN, 6 volt, with head lamp	Eveready, 9101IND
764378	LANTERN, 6 volt, floating	Lumilite, Krypton, 4700 or the equivalent

FLASHLIGHT, LED Type

Description: LED (light emitting diode) type flashlight, 120 lumens, impact- and water-resistant. Powered by four AA cells.

Application: For general purpose, hand-held lighting needs.

Do not mix new and old batteries. Do not mix alkaline, standard (carbon-zinc), or rechargeable batteries.

Do not look directly into the beam of an LED type flashlight; the light is much brighter than that of traditional incandescent type flashlights and can cause eye damage.

SCL Matl. Std.: 7659.21

Stock Unit: EA

Stock Number: 013156

TOOLS – PLIERS, SCREWDRIVERS AND HAMMERS

PLIERS, Combination, Slip Joint
Per Federal Spec.: GGG-P-471, Type II, Class 2, Style A
Stock Unit: PR

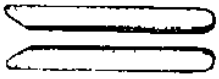
Stock No.	Size, in.	Approved Manufacturer: Cresent
764745	6	H26
764747	8	H28
764749	10	H210

PLIERS, Lineman's, Side Cutting
Per SCL Matl. Std.: none
Stock Unit: PR

Stock No.	Size, in.	Approved Manufacturer: Klein	
		Round Nose	Square Nose
764764	8	–	D201-8
764772	9	–	D213-9
764773*	9	D2000-9NE-CR	–

* Includes crimper.

GRIPS, Pliers
Per SCL Matl. Std.: none
Stock Unit: PR



Stock No.	Size, in.	Approved Manufacturer: Protecto
763470	8	BU 8008

HAMMERS, Hand, Fiberglass Handle
Description: Forged steel head.
Per SCL Matl. Std.: 7638.1
Stock Unit: EA

Stock No.	Type	Head Weight	Approx. Handle Length, in.
763830	ball peen	16 oz.	13
763840	straight claw	20 oz.	14
763842	straight claw	22 oz.	16
763845	curved claw	16-20 oz.	14
763850	eng. D.F.	2 lb.	14
763852	eng. D.F.	3 lb.	14
763860	sledge	8 lb.	32-36
763870	sledge	12 lb.	32
764435	maul	8 lb.	36

SCREWDRIVERS, Straight Bit
Description: With shock proof plastic handles.
Approved Manufacturer: Lancer
Per SCL Matl. Std.: none
Stock Unit: EA

Stock No.	Size, in.
765110	3
765112	4
765116	6
765118	8
765120	10

SCREWDRIVERS, Phillips
Description: With shock proof plastic handles.
Approved Manufacturer: Lancer
Per SCL Matl. Std.: none
Stock Unit: EA

Stock No.	Size, in.	Point No.
765127	3	1
765129	4	2
765131	6	3
765133	8	4

The next page (76-24) reserved for future use.

TOOLS – WRENCHES AND SOCKETS

WRENCH ADJUSTABLE, OPEN-END, Heavy Duty
22-1/2 degree head, polished chrome finish.
Per Fed. Spec., GGG-W-631, Type I, Class 1
Crescent "Crestoloy", Klein, Proto, Snap-On, Williams
Stock Unit: EA

Stock No.	Size Inches
766140	4
766145	6
766150	8
766155	10
766160	12
766162	15

KEY, HEX HEAD Set Screw, Short Series
Per Fed. Spec., GGG-K-00275, Type I, Class 1
Snap-On, Superior
Stock Unit: EA

Stock No.	Size, Inches	Screw Size, In.
766205E	3/32	3/16
766206E	1/8	1/4
766207E	5/32	5/16
766208E	3/16	3/8
766215E	7/32	7/16
766209E	1/4	1/2
766210E	5/16	5/8
766211E	3/8	3/4

WRENCH, PIPE, ADJUSTABLE, Heavy Duty
Per Fed. Spec., GGG-W-651, Type II, Class A
Crescent, Proto, Rigid
Stock Unit: EA

Stock No.	Size Inches
766175	10
766180	14
766185	18
766190	24

SOCKETS, for Wrench Sets, 1/2" Square Drive
Stock Unit: EA

REGULAR DEPTH SOCKETS

Stock No.	Size, Inches	No. of Points
765263	1/2	8
765264	9/16	8
765265	5/8	8
765267	3/4	8
765268	13/16	8
765276	7/16	12
765277	1/2	12
765278	9/16	12
765279	5/8	12
765280	11/16	12
765281	3/4	12
765282	13/16	12
765283	7/8	12
765284	15/16	12
765285	1	12
765286	1-1/16	12
765287	1-1/8	12
765289	1-1/4	12

DEEP WELL SOCKETS

Stock No.	Size, Inches	No. of Points
765294	7/16	12
765295	1/2	12
765296	9/16	12
765297	5/8	12
765306	11/16	12
765299	3/4	12
765300	13/16	12
765301	7/8	12
765307	15/16	12
765303	1	12
765304	1-1/16	12
765305	1-1/8	12

THE NEXT PAGE (76-26) RESERVED FOR FUTURE USE.

TOOLS, DRILLS

DRILLS, Fractional Sizes, Twist, High Speed, Straight Shank, Jobbers Lengths

Per SCL Matl. Std.: 7615.1
Stock Unit: EA

Stock No.	Size, in.	Stock No.	Size, in.
761504	3/64	761520	19/64
761505	1/16	761521	5/16
761506	5/64	761522	21/64
761507	3/32	761523	11/32
761508	7/64	761524	23/64
761509	1/8	761525	3/8
761510	9/64	761526	25/64
761511	5/32	761527	13/32
761512	11/64	761528	27/64
761513	3/16	761529	7/16
761514	13/64	761530	29/64
761515	7/32	761531	15/32
761516	15/64	761532	31/64
761517	1/4	761533	1/2
761518	17/64	761535	17/32
761519	9/32		

DRILLS, Fractional Sizes, Twist, High Speed, Straight Shank, Taper length

Per SCL Matl. Std.: none
Stock Unit: EA

Stock No.	Size, in.
761588	13/16

DRILLS, Twist, High Speed, Rounded Reduced Shank

Description: 1/2 in. shank with 3 flats; 6 in. overall length.
Per SCL Matl. Std.: none
Stock Unit: EA

Stock No.	Size, in.	Approved Manufacturer, Hanson Ace
761681	9/16	80-10533
761684	5/8	80-10537
761687	3/4	80-10545

DRILLS, Masonry, Twist, Taper Shank

Description: For use in installing lead-cored fiber anchor screws.
Per SCL Matl. Std.: none
Stock Unit: EA
Approved Manufacturer.: Powers

Stock No.	Size, in.	For Plug No.	Holder No.
761392	3/16	10	14
761393	1/4	12	14

DRILLS, Wire Gage Sizes, Twist, High Speed, Straight Shank, Jobbers Lengths

Per SCL Matl. Std.: 7616.1
Stock Unit: EA

Stock No.	Gage No.	Stock No.	Gage No.
761601	1	761631	31
761602	2	761632	32
761603	3	761633	33
761604	4	761634	34
761605	5	761635	35
761606	6	761636	36
761607	7	761637	37
761608	8	761638	38
761609	9	761639	39
761610	10	761640	40
761611	11	761641	41
761612	12	761642	42
761613	13	761643	43
761614	14	761644	44
761615	15	761645	45
761616	16	761646	46
761617	17	761647	47
761618	18	761648	48
761619	19	761649	49
761620	20	761650	50
761621	21	761651	51
761622	22	761652	52
761623	23	761653	53
761624	24	761654	54
761625	25	761655	55
761626	26	761656	56
761627	27	761657	57
761628	28	761658	58
761629	29	761659	59
761630	30	761660	60
		761665	65

DRILL MOTOR, Portable Electric, 110 Volt, Double Insulated

Per SCL Matl. Std.: none
Stock Unit: EA

Stock No.	Size, in.
761364	3/8

KEY, Jacobs Chuck

Per SCL Matl. Std.: none

Stock No.	Stock Unit	Size, in.	Key No.
764190	EA	1/4	1

TOOLS, BRACE AND BITS

BITS

Description: carbon steel, 18-inch length
SCL Matl. Std.: none
Stock Unit: EA

Stock No	Size, in	Irwin, Cat No
760352	9/16	47909
760356	11/16	47911
760360	13/16	47913
760362	1-1/16	47917

BITS, DUAL AUGER, Solid Center

Description: carbon steel, 7-1/2-inch length
Application: for hand and electric drills
SCL Matl. Std.: none
Stock Unit: EA
Approved Manufacturer: Irvin I-100 series or equivalent

Stock No	Size, in	Boring Depth, in
760554	1/4	6
760555	5/16	6
760556	3/8	4-1/2
760557	7/16	6
760558	1/2	6
760559	9/16	6
760560	5/8	6
760562	3/4	6
760563	13/16	6
760564	1	6

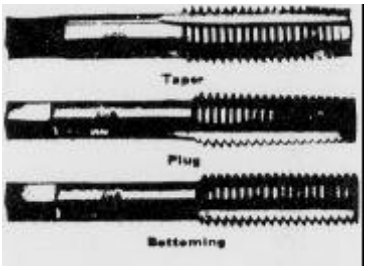
BRACE

Description: box, ratchet, ball bearing chuck
SCL Matl. Std.: none
Stock Unit: EA
Approved Manufacturer: Miller Falls 772 or Stanley 923
Stock No: 760605

TOOLS – TAPS

TAPS, HIGH-SPEED STEED GROUND THREAD

Per Fed. Spec. GGG-T-70, Type I. Stock Unit: Each



TAPER, NC THREAD

(except as noted)★

Stock No.	Size In.	Size No.	Threads Per In.
765505		2	56
765507		4	40
765508		6	32
765509		8	32
765510		10	24
765511		10	32 (NF)★
765512		12	24
765515		14	24 (NS)★
765601	1/4		20
765602	5/16		18
765603	3/8		16
765604	7/16		14
765605	1/2		13
765607	5/8		11
765608	3/4		10

PLUG, NC THREAD

(except as noted)-★

Stock No.	Size In.	Size No.	Threads Per In.
765525		2	56
765526		4	36 (NS)★
765527		4	40
765528		6	32
765529		8	32
765530		10	24
765531		10	32 (NF)★
765532		12	24
765621	1/4		20
765622	5/16		18
765623	3/8		16
765624	7/16		14
765625	1/2		13
765627	5/8		11
765628	3/4		10
765629	7/8		9

BOTTOMING, NC THREAD

(except as noted) ★

Stock No.	Size In.	Size No.	Threads Per In.
765547		4	40
765548		6	32
765549		8	32
765550		10	24
765551		10	32 (NF)★
765552		12	24
765641	1/4		20
765642	5/16		18
765643	3/8		16
765644	7/16		14
765645	1/2		13
765647	5/8		11
765648	3/4		10

TAPER, NF THREAD

Stock No.	Size In.	Threads Per In.
765661	1/4	28
765662	5/16	24
765663	3/8	24
765664	7/16	20
765666	9/16	18

PLUG, NF THREAD

Stock No.	Size In.	Threads Per In.
765681	1/4	28
765682	5/16	24
765683	3/8	24
765684	7/16	20
765685	1/2	20
765686	9/16	18

BOTTOMING, NF THREAD

Stock No.	Size In.	Threads Per In.
765701	1/4	28
765702	5/16	24
765703	3/8	24
765704	7/16	20

TAPS, PIPE

High-speed steel, ground thread, right hand
Per Fed. Spec. GGG-T-581
Type I, Class I
Stock Unit: Each

Stock No.	Pipe Size In.	Threads Per In.
765720	1/8	27
765721	1/4	18
765722	3/8	18
765723	1/2	14
765724	3/4	14
765725	1	11-1/2

THE NEXT PAGE (76-31) RESERVED FOR FUTURE USE.

TOOLS – MEASURING AND MARKING

Stock Units All Items: EA
SCL Matl. Std. All Items: none

FOLDING RULE, Wood

Description: Marked on both sides and both edges

Stock No.	Size, ft.	Cooper Lufkin	Rigid
764999	6	966	1619F

TAPE MEASURE, Steel Blade, Locking

	Blade		Approved Manufacturer
Stock No.	length, ft.	width, in.	Stanley PowerLock
765805	12	3/4	33-312
765806	25	1	33-425
replacement blade for Stanley 33-312			
760505	12	3/4	32-611

LONG TAPE MEASURE, Fiber Blade

765825

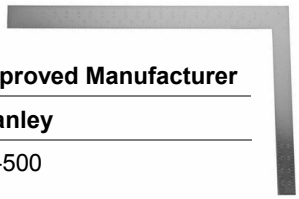
765815

	Blade			Approved Manufacturer
Stock No.	Fiber Type	length, ft.	width, in.	Cooper Lufkin
765815	synthetic	050	5/8	HD403
765825	fiberglass	100	1/2	706L

CARPENTER'S CHALK LINE

Description: Yellow, 100-foot bundle
Stock No.: 722844

CARPENTER'S SQUARE, Steel



		Approved Manufacturer
Stock No.	Size, in.	Stanley
765345	24 x 16	45-500

LEVEL, 24-inch, Non Conductive

	Approved Manufacturer	
Stock No.	Empire	Stanley
764360	330-24	42-648

LUMBER CRAYON, Waterproof

Description: Clay base, hexagonal cross-section

		Approved Manufacturer
Stock No.	Color	Dixon
722386	blue	521
722389	red	520-1/2
722392	yellow	496

METALWORKER CRAYON

Description: 5″ long, 1/2″ wide, 3/16″ thick soapstone
Per Federal Spec.: SS-C-661-Clover 1031
Stock No.: 722395

PAINTSTIK MARKER, #B Class

			Approved Manufacturer
Stock No.	Marking Usage	Color	Markal
722400	poles	white	80220
722403	transformers	orange	80224

TOOLS – FILES

GENERAL INFORMATION

HAND FILES (AMERICAN PATTERN) AND RASPS are for general use, and shall conform to the requirements of Fed. Spec. GGG-F-325, latest revision. (Approved manufacturers from Fed. QPL-GGG-F-325.)

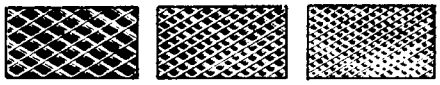
FILES (SWISS PATTERN), for exacting work, shall conform to the requirements of Fed. Spec. GGG-F-331, latest revision. (Approved manufacturers from Fed. QPL-GCG-F-331.)

CURVED MILLED TOOTH FILES meet the requirements of Dept. of Com. Simplified Practice Recommendation No. R6 latest revision. (For approved manufacturers, see list of acceptors.)

CUTS. Coarseness of file is indicated by bastard, second-cut. and smooth-cut, bastard having fewer teeth per unit length than the second-cut, and the smooth-cut having more teeth per unit length than the second-cut.

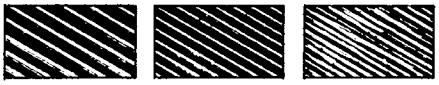
SINGLE-CUT AND DOUBLE-CUT SURFACES. Single-cut files have a set of parallel cuts extending across the length of the file. Double-cut files have two parallel sets of cuts crossing each other.

DOUBLE CUT



Bastard **Second Cut** **Smooth**

SINGLE CUT



Bastard **Second Cut** **Smooth**

RASP CUT

Bastard **Second Cut** **Smooth**

FILES

FILE, CANT-SAW

Per Fed. Spec. GGG-F-325, Type IV.
For sharpening crosscut saws with "M" teeth and for circular saws with teeth with less than 60 degree angles.
Stock Unit: EA

Stock No.	Length In.
761952	8

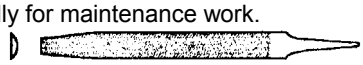
FILE, CROSSCUT (Great American)

Per Fed. Spec. GGG-F-325, Type V.
For sharpening crosscut saws of the "Great American" style.
Stock Unit: EA

Stock No.	Length, In.
761955	8

FILES, HALF-ROUND

Per Fed. Spec. GGG-F-325, Type IX.
General purpose files, especially for maintenance work.
Stock Unit: EA



Stock No.	Length, Inches	Cut
762050	4	Bastard
762051	6	Bastard
762052	8	Bastard
762053	10	Bastard
762054	12	Bastard
762055	14	Bastard
762064	12	Second
762073	10	Smooth
762074	12	Smooth

FILES, FLAT, DOUBLE-CUT

Per Fed. Spec. GGG-F-325 Type VII.
General purpose files, for machinists, millwrights and other craftsmen.
Stock Unit: EA

Stock No.	Length, Inches	Cut
762000	4	Bastard
762001	6	Bastard
762002	8	Bastard
762003	10	Bastard
762004	12	Bastard
762005	14	Bastard
762011	6	Second
762013	10	Second
762014	12	Second
762021	6	Smooth
762022	8	Smooth
762023	10	Smooth
762024	12	Smooth

FILE, KNIFE, BASTARD CUT

For work involving acute angles.
Per Fed. Spec. GGG-F-325 Type XI.
Stock Unit: EA

Stock No.	Length, In.
762081	4

TOOLS – FILES

MILL FILES, SINGLE CUT

Per Federal Spec.: GGG-F-325, Type XIII, Class 2.
Application: Flat, for sharpening mill saws and cutting tools.
Stock Unit: EA

typical

Stock No.	Length, in.	Cut
762103	4	Bastard
762104	6	Bastard
762106	8	Bastard
762107	10	Bastard
762108	12	Bastard
762109	14	Bastard
762116	8	Second

ROUND FILES

Per Federal Spec.: GGG-F-325, Type XVI, Class 1.
Application: For enlarging and shaping holes.
Stock Unit: EA

typical

Stock No.	Length, in.	Cut
762142	4	Bastard
762143	6	Bastard
762144	8	Bastard
762145	10	Bastard
762146	12	Bastard
762147	14	Bastard
762153	6	Second
762154	8	Second
762156	12	Second
762163	6	Smooth
762164	8	Smooth

ROUND FILES, CHAIN SAW, DOUBLE CUT

Per Federal Spec.: GGG-F-325, Type XVI, Class 2.
Application: For enlarging and shaping holes.
Stock Unit: EA

typical

Stock No.	Length, in.	Diameter, in. + 0.10
761985	8	5/32
761982	8	3/16
761984	8	7/32
761975	8	1/4

SQUARE FILES, BASTARD, DOUBLE CUT

Per Federal Spec.: GGG-F-325, Type XVII, Style A.
Application: For enlarging square holes and slots.
Stock Unit: EA

typical

Stock No.	Length, in.
762172	6
762173	8
762174	10

TAPER FILES

Per Federal Spec.: GGG-F-325, Type VIII.
Application: Flat, for sharpening saws with 60° angle teeth.
Stock Unit: EA

typical

Stock No.	Length, in.	Class
762212	4	No. 2 - Slim
762213	5	No. 2 - Slim
762214	6	No. 2 - Slim
762216	8	No. 2 - Slim
762217	10	No. 2 - Slim
762222	4	No. 3 – Extra Slim
762223	5	No. 3 – Extra Slim
762224	6	No. 3 – Extra Slim
762225	7	No. 3 – Extra Slim
762226	8	No. 3 – Extra Slim

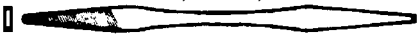
WARDING FILES, SMOOTH CUT

Per Federal Spec.: GGG-F-325, Type XX.
Application: Used by locksmiths for filling notches, narrow slots, and in other close work.
Stock Unit: EA

Stock No.	Length, in.
762264	8

AUGER BIT FILES

Application: For sharpening auger bits.
Approved Manufacturers: Disston, Heller, Nicholson.
Stock Unit: EA



Stock No.	Length, in.
761948	7

EQUALING FILES, "O" CUT, FLAT

Per Federal Spec.: GGG-F-331, Type V.
Application: For very exacting work.
Stock Unit: EA

Stock No.	Length, in.
761972	4

CURVED FILES, MILLED TEETH, STANDARD CUT

Per US Dept. of Com.: Simp. Practice R6.
Application: For babbitt, solder, and other soft metals.
Stock Unit: EA

typical

Stock No.	Length, in.	Teeth per inch
762033	10	12
762034	12	10

WOOD RASPS, HALF-ROUND, BASTARD CUT

Per Federal Spec.: GGG-F-325, Type XXVII. Class 2.
Application: For shaping wood items and enlarging opening.
Stock Unit: EA

Stock No.	Length, in.
762274	12

TOOLS – FILE HANDLES & CARD

FILE HANDLE

Impact resistant handle & steel driving cap
Stock Unit: Each

Stock No.	Approved Manufacturer Sequatchie or equal
763905	No. 01
763906	No. 02
763907	No. 03
763908	No. 04

FILE CARD, with Brush

Stock Unit: Each
Manufacturer: Heller
Stock No.
760880

THE NEXT PAGE (76-37) RESERVED FOR FUTURE USE.

SEATTLE CITY LIGHT

STOCK CATALOG

STOCK CLASS: **76**
PAGE: **38**
DATE: June 19, 1998

TOOLS – METAL WORKING

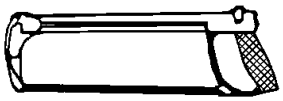
PUNCH, CENTER, Solid
1/2", Per Fed. Spec. GGG-P-831, Type II, Class A - Dasco 533, Mayhew 416, Proto 41-1/2, Williams P-32
Stock Unit: Each
Stock No.
764840

CHISELS, COLD
Per Fed. Spec. GGG-C-313, Type IV, Class 1
Stock Unit: Each

Stock No.	Size Cut, Inches	Length, Inches
760902	1/4” to 5/16	4 to 5
760904	3/8	5
760906	1/2	5-3/4”
760908	5/8	6
760910	3/4	6-1/2
760912	1	8

SHEARS, METAL, 12-1/2"
3" cut, Per Fed. Spec. GGG-S-291, Type II, Class 1, Style B - Wiss 9, Diamaloy DS-12Stock Unit: Pair
Stock No.
765230

HACKSAW, Tubular Frame
For 12” blades



Stock Unit: Each

Stock No.	Mfr. & Cat. No.
762420	Milford 45650 or equiv.

BLADES, HACKSAW, Hand, High Speed, Bi-Metal
Per City Light Spec. 7604.6
Stock Unit: Each

Stock No.	Length	Teeth Per Inch
760460	12”	14
760465	12”	18
760480	12”	24

THE NEXT PAGE (76-39) RESERVED FOR FUTURE USE.

TOOLS, WELDING, BURNING AND HEAT SHRINKING EQUIPMENT

PROPANE GAS, Tank, disposable

SCL Matl. Std.: none

Stock Unit: EA

Stock No.: 726515

Quantity: 14.1 oz

WELDING BLANKET, Surface Protection

Description: 18 oz silica bronze material 0.030″ thick. 3000° melt temperature. Cut off as needed from 36″ wide roll.

SCL Matl. Std.: none

Stock Unit: FT

Stock No.: 760620

HEATING TORCH, Prestolite, Handle & Tip

SCL Matl. Std.: none

Stock Unit: EA

Stock No	Handle	Tip	Tip Size
765893	TH 2	–	–
765894	–	Fine	1A

HEAT SHRINK TORCH, Propane

Description: Raychem torch with pistol grip and built-in igniter. **No substitutions. Only engineer approved manufacturers.**

Application: For shrinking high voltage rubber products.

SCL Matl. Std.: none

Stock Unit: EA

Stock No	Item	BTU	Approved Manufacturers and Catalog No.
765897	Torch	35,000	RAYCHEM FH2629
765877	Handle	–	Siever-Matic 3366-97
765878	Tip	40,000	Siever-Matic 3341-91
765879	Tip	89,000	Siever-Matic 3348-91

ACETYLENE REGULATOR

Description: Must be used between 726510 or 726518 Prestolite tanks and 765893 torch.

SCL Matl. Std.: none

Stock Unit: EA

Stock No	For Use With
765895	“B” tanks
765896	“MC” tanks

FITTINGS, HOSE AND TANK

SCL Matl. Std.: none

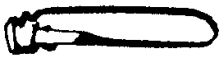
Stock Unit: EA

Stock No	Description	Prestolite Catalog No.
764080	Hose, 3/16″ x 6′	10Y85
764210	Tank wrench	505L

LIGHTER AND FLINT, Acetylene

SCL Matl. Std.: none

Stock Unit: EA



Stock No	Description	Pal-Weld Catalog No.
764380	Lighter, 3-way flint	5001
762415	Flint	5001-X

SOLDER AND SOLDERING EQUIPMENT

SOLDERS

Stock No.	Stock Unit	Description
728496	EA	BAR, 40/60, 13-1/2" long. Width: top 3/4", bottom 5/8", 3/8" thick. For general use. Per ASTM B32, Alloy grade 40B
728504	LB	WIRE, 50/50, 3/32", with neutral rosin core. For radio and electrical use. Per ASTM B284, type NR.
728536	LB	WIRE, 40/60, 1/8", Per ASTM B32, Alloy grade 40B.
728528	EA	WIPING METAL, 38/62 in 3 or 4 pound cakes. Per ASTM B32, Alloy grade 40A.
728514	CO	SILVER, WIRE, 1/16", 50%, Per AWS A 5.8-76, Classification BAg-6

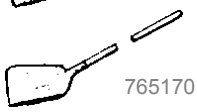
FLUXES, PASTES AND COMPOUNDS

Stock No.	Stock Unit	Description
728112	EA	FLUX, SOLDERING For cable splicing. Stearine, 6 sticks per pound.
728136	CN	PASTE, SOLDERING, Per Federal Spec. O-F-506.

MISCELLANEOUS SOLDERING AND WIPING EQUIPMENT

Stock No.	Stock Unit	Description
760625	EA	BRUSH, Acid Swabbing, flat with metal handle and stiff horsetail hair or bristle riflings.
728016	EA	CANDLE, Plumber's, 5" X 1-1/4".

TOOLS – EARTHWORK AND VEGETATION MANAGEMENT

Stock No.	Stock Unit	Description	
760022	EA	**HATCHET**, hand, broad, 4-1/2″ cut, 2-1/2 lbs., 14-11″2″ handle.	760022
760026	EA	**AXE**, 3-1/2 lb., double bit, swamping, 36-inch overall straight handle.	
762855	EA	**FORK, MANURE**, 6 - 12-1/2-inch oval tines.	
764425	EA	**MACHETE**, 22-inch, 22 oz. with leather sheath.	
764718	EA	**PEAVEY**, hook size 1″ x 7/16″ x 12″, Grade AA, 2-1/4″ x 4' handle, opening 8-1/2″ - American Logging 46 with 564 hook, Dixie C-1 with 281 duckbill hook.	764718
764725	EA	**PICK**, railroad or Type 3 clay, 6-pound.	764725
763955	EA	**HANDLE,** Hickory, Railroad Pick, 36″ long, Type V, Class 1, Grade AA, per City Light Material Standard. 7638.2	
762890	PR	**PRUNER**, trees, 30-inch Type 1.	
762892	PR	**LOPPERS**, anvil action type, 30″ wood handles, 1-3/4″ cut, snap cut 5ST.	
762910	EA	**RAKE, Garden**, bow Type 1.	762910
762920	EA	**RAKE, Lawn**, steel Type 3.	762920
765162	EA	**SHOVEL, ROUND POINT**, size 2, Type 1, long handle.	765162
765164	EA	**SHOVEL, SQUARE POINT**, size 2, Type 2, long handle.	765164
765170	EA	**SHOVEL, SCOOP**, general purpose, long handle, 16 Ga. steel, Eastern Pattern, size 4, Tru Temper® #EB4L or equivalent.	 765170
723752	EA	**WEDGE**, Tool handle, 5/32″ x 1-1/16″ x 1/2″ Grady Cat. No.5	723752
723760	EA	**WEDGE**, Tool handle, 5/32″ x 1-1/16″ x 5/16″ Grady Cat. No. 10	723760

TOOLS – WATER HOSE

GARDEN HOSE

Description: 5/8-inch water hose, nylon reinforced vinyl with brass, male and female couplings in 50-foot lengths.
SCL Matl. Std.: none
Stock Unit: EA
Stock No.: 764050

WATER HOSE CLAMPS, WORM DRIVE

Description: Galvanized or stainless steel.
SCL Matl. Std.: none
Stock Unit: EA

Stock No.	Clamp Size, in		Hose ID, in	
	Minimum	Maximum	Minimum	Maximum
711431	3/8	7/8	5/16	3/8
711440	3/4	1-3/4	3/4	1-1/8

WATER HOSE NOZZLE, ADJUSTABLE

Description: Brass or bronze.
SCL Matl. Std.: none
Stock Unit: EA

Stock No.	Size, in
713083	3/4

WATER HOSE WASHERS

SCL Matl. Std.: none
Stock Unit: EA

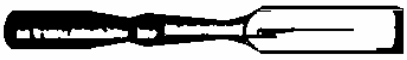
Stock No.	Size, in
712212	3/4

THE NEXT PAGE (76-44) RESERVED FOR FUTURE USE.

TOOLS – WOODWORKING, GLASS AND WINDOW

CHISEL, 2-Inch Blade

Description: Impact resistant handle and steel driving cap.
SCL Matl. Std.: none
Stock Unit: EA



Stock Number	Length, in	Approved Manufacturer
		Stanley
760920	24	16-632

DRAWKNIFE, 13-Inch to 16-Inch

SCL Matl. Std.: none
Stock Unit: EA

Stock Number
764215

GLASS CUTTER

SCL Matl. Std.: none
Stock Unit: EA

Stock Number	Approved Manufacturers	
	Miller Falls	Red Devil
761233	444	23

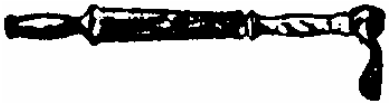
HAND SAW, Crosscut, 26-Inch, 8 Point

SCL Matl. Std.: none
Stock Unit: EA

Stock Number	Approved Manufacturer
	Stanley
765015	15-726

NAIL PULLER, 19-Inch Forged Steel

Application: For
SCL Matl. Std.: none
Stock Unit: EA



Stock Number
764810

PUTTY KNIFE, 1-1/2-Inch

SCL Matl. Std.: none
Stock Unit: EA

Stock Number	Approved Manufacturers		
	Miller Falls	Murray	Red Devil
764225	1404	“Black Champion” 152HE	PI 1-1/2S

PAINT SCRAPER, with 2-Edge Blade

Description: Lightweight, molded polypropylene
SCL Matl. Std.: none
Stock Unit: EA

Stock Number	Size, in	Approved Manufacturers
		Stanley
723298	2-1/2”	28-619

WRECKING BAR

SCL Matl. Std.: none
Stock Unit: EA

Stock Number	Size, in	Approved Manufacturers	
		Miller Falls	Stanley
760175	24	224	124

PAINT BRUSHES AND WIRE BRUSHES

PAINT BRUSHES

SCL Matl. Std.: none
Stock Unit: EA

		Min. Bristle Dim., in				Approved Manufacturers				
Stock No	Type	Width	Thick-ness	Length, Out	Bristle Type	Bestt/ Liebco	Coast	Richards ORD#	Wooster	Zimmer-man
760667	varnish	3-1/8	3/4	3-3/8	natural	"Jorex 1005-5"	–	1319	Z1104	–
760681	sash, flat	2	9/16	2-3/4	natural	1055-2 "Yale"	#COBS2	1356	–	#5640C
760682	sash, flat	2-1/2	5/8	3	natural	1055 "Yale"	–	1352	Z1202 "Cutter"	–
760684	sash, angular	2	9/16	2-11/16	natural	–	–	1351	Z1293	–
760669	wall	3-1/2 to 4	1	3-11/16	nylon, tapered & flagged	#868	–	1381	–	–

MISCELLANEOUS PAINT BRUSHES

SCL Matl. Std.: none
Stock Unit: EA

		Min. Bristle Dim., in			Approved Manufacturers			
Stock No	Type	Dia	Length, Out	BristleType	Bestt/ Liebco	National	Richards	Zimco
760635	marking, no. 6	9/32	1-1/8	natural	#1912-6	–	461	–
760675	roofing, trim	–	3-1/4	3 knot Tampico fiber	#4507	#0252	6039	#113

VARNISH AND ENAMEL PAINT BRUSHES, Natural Bristle

SCL Matl. Std.: none
Stock Unit: EA

Stock No	Min. Bristle Dimension, in		
	Width	Thickness	Length, Out
760644	1	5/16	2
760646	2	7/16	2-1/2
760650	3	1/2	2-1/2

VARNISH AND ENAMEL PAINT BRUSHES, Synthetic Bristle

SCL Matl. Std.: none
Stock Unit: EA

Stock No	Min. Bristle Dimension, in		
	Width	Thickness	Length, Out
760643	1/2	1/4	1-3/4
760645	1	5/16	2
760655	2	7/16	2-1/2
760660	2-1/2	1/2	2-1/2
760665	3	1/2	2-1/2

WIRE BRUSHES, Hand, Stainless Steel

Description: shoe handle style, 10″
Application: for cleaning aluminum bus connections
SCL Matl. Std.: none
Stock Unit: EA

Stock No	Rows	Advance Cat. No.
760740	4 x 16	85035

WIRE BRUSHES, Hand

SCL Matl. Std.: none
Stock Unit: EA

Stock No	Rows	Osborn Cat. No.	Richards ORD#
760720	2 x 15	1784	1646
760722	4 x 16	1781	932

TOOLS, MISCELLANEOUS

OIL CANS

Per SCL Matl. Std.: None
Stock Unit: EA

Stock No.	Description
764662	OILER, 1 pint, copper plated steel, 5″ spout, GoldenRod #507 or equivalent.
764667	OILER, 6 oz. size, one piece metal shell, reinforced, 6″ flexible spout, trigger pump type, GoldenRod #606 or equivalent.

PAPER FILTER PRESS

Description: 12-3/4″ square, D-10 micron density with punched holes for Westinghouse typeA-3 filter press. AMF Cuno A1312-05U, Zeta Plus (Non-Asbestos).
Per SCL Matl. Std.: None
Stock Unit: SH
Stock No.: 727172

SHARPENER, Knife and Scissors

Description: Super Sharpener #1
Per SCL Matl. Std.: None
Stock Unit: EA
Stock No.: 762280

CONTAINERS, White/Natural, Plastic

Description: High Density Polypropylene
Per SCL Matl. Std.: None
Stock Unit: EA

Stock No.	Type	Airlight Plastics Cat. No.	VWR Cat. No.
722234	16 oz. tub	Z1651	–
722236	Lid	L408	–

CANS, EMPTY, Miscellaneous

Per SCL Matl. Std.: None
Stock Unit: EA

Stock No.	Size	Description
722200	1 qt.	PAINT, round, tin w/ full open top and lid.
722204	1 qt.	RECTANGULAR, tin with screw cap and 7/8″ to 1-1/4″ opening.
722208	1 gal.	PAINT, round, tin with full open top, bail and lid.
722212	1 gal.	RECTANGULAR, tin with screw cap and 2-1/2″ opening.
722213	6 gal.	BLUE PLASTIC, Jeep Can Style

AUTOMOBILE WINDOWS TOOLS

Description: High Density Polyethylene
Per SCL Matl. Std.: None
Stock Unit: EA

Stock No.	Item	Note
764688	Window Scraper	Material Control may evaluate and select this product without prior approval from Standards.

77 building maintenance

Building Maintenance Supplies, Brooms, Brushes, Mops, and Buckets	***1***
Building Maintenance Supplies, Miscellaneous Cleaning Equipment	***2***
Cleaners and Soap	***4***
Building Maintenance Supplies, Sweeping Compounds, Polishes and Deodorants	***6***
Building Maintenance Supplies, Paper Goods, Shop Towels, Rags, Waste Cans and Liners	***8***

BUILDING MAINTENANCE SUPPLIES
BROOMS, BRUSHES, MOPS, AND BUCKETS

BROOMS, CORN

Supplier: Lighthouse for the Blind
Stock Unit: EA

Stock No.	Description
775205	Heavy Duty , Mill
775215	Whisk, 10”

BRUSHES, FLOOR

Trim 3 Inches
Stock Unit: EA

Stock No.	Type	Size, Inches	Handle, Dia., In.	Bristle Material
775230	1	18	15/16	Horsehair border and tampico center.
775235	1	24	15/16	Horsehair border and tampico center with handle.
775240	2	24	1 - 1/8	Flo Pac 1124 Street Broom

BRUSH, STREET, PUSH

Crimped Polypropylene.
Stock Unit: EA

Stock No.	Size, Inches	Trim, Inches	Handle Size, In. Length	Handle Size, In. Dia.
775216	16	6-1/4	60	1-1/8

HANDLE, FLOOR BRUSH

Screw Type, Acme Thread, 15/16” Diameter
Stock Unit: EA

Stock No.	Type	Length, In.
763899	1	60
763900	1	72

BRUSHES, SCRUB, FLOOR, PALMYRA FIBER

Stock Unit: EA

Stock No.	Type	Trim, In.	Size, Inches	Description
775245	2	1	8 x 2-3/4	Floor
775247*	1	1-7/8	9-3/4 x 2-3/4	Deck

*With 60” Handle

BRUSH, WINDOW, 4-3/8” X 4-3/4” BLOCK DIA.

5-Foot Handle
Stock Unit: EA
Stock No. 775250

HANDLE, REPLACEMENT, FOR PUSH BROOM

For Stock No. 775216
Stock Unit: EA

Stock No.	Manufacturer
775217	Flo-Pac #2003T-5 or approved equal.

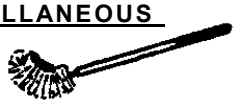
BRUSH, GONG (FENDER AND CHASSIS)

Palmyra Fiber, 2” Trim, 5-1/2” x 4”
Stock Unit: EA

Stock No.	Handle Length, In.
775226	8
775227	19-3/4

BRUSHES, CLEANING MISCELLANEOUS

Stock Unit: EA



Stock No	Description
775221	BOWL, sanitary, tampico fiber, curved head in twisted wire 14” wood handle, 2-1/4” diameter, size 5” x 5-1/2” - 4” wood grip and hanging ring.
775218	COUNTER, 100% horsehair, size 14” over-all, 9” brush length, 2-1/2” trim.

PAIL, HEAVY DUTY, GALVANIZED

Stock Unit: EA

Stock No.	Capacity, *Quarts*
764709	14

BUCKET, MOP

Stock Unit: EA

Stock No.	Description
775283	26 quart, 15-3/4” x 16-1/4” x 13 1/4” plastic bucket, yellow, with 3” casters, “Brute”, Model #7570 Rubbermaid.
775284	Wringer for mop bucket, downward pressure, yellow, Rubbermaid part No. 6122, to fit stk. No. 775283.

MOP HEAD, WET TYPE

Stock Unit: EA

Stock No.	Weight	Description
776300	32 oz	8-Ply Cotton Yarn, Cut Ends
776305	24 oz	
776306	20 oz	Cotton/Synthetic Yarn, Loop Ends

BUILDING MAINTENANCE SUPPLIES
MISCELLANEOUS CLEANING EQUIPMENT

HANDLE, MOP, Screw Type
Stock Unit: EA

Stock No.	Length, Inches	Dia., Inches	Head Width, Inches
777425	60	1-1/8	7

FORCE CUP
Ball shaped, rubber or synthetic, 3-3/4" deep, 5-1/2" wide, 23" handle, Flo-Pac 4391, Stevens Burt "Toilaflex".
Stock Unit: EA
Stock No.
762428

DUSTPAN, 20-Guage Steel
12" Edge
Stock Unit: EA
Stock No.
764715

SQUEEGEE, Floor
18" Straight with 5 -Foot Wood Handle
Stock Unit: EA
Stock No.
765350

APPLICATOR, Liquid Wax
16" x 2-3/4", Lamb's Wool, Includes Pad
Stock Unit: EA
Stock No.
775010

REFILL, Wax Applicator
Stock Unit: EA
Stock No.
775015

DUSTER, Ostrich Feather
Stock Unit: EA
Stock No.
775630

SPONGE, Cellulose
1-1/2" x 4" x 6-1/4"
Stock Unit: EA
Stock No.
777380

THE NEXT PAGE (77-3) RESERVED FOR FUTURE USE.

CLEANERS AND SOAP

CLEANERS AND SOAPS

Stock Number	Stock Unit	Description
726164	GL	**METAL CLEANER**, Kelite "Metal Brite" only.
775004	CN	**CLEANER, GERMICIDAL**, spray foam.
775460	CN	**SCOURING POWDER**, with bleaching agent.
775470	LB	**RUBBER CLEANER**, for cleaning rubber goods. Platz Cleaner
775485	BX	**CLEANER**, paint or linoleum.
775490	PL	**TRI-SODIUM PHOSPHATE**
775495	EA	**PIPE AND DRAIN CLEANER**, powdered. "DRANO" in 32 oz. containers.
775498	EA	**SCOURING SPONGES**, metal, stainless steel, "Kurly Kate 756", "Kleenette", FLO-PAC 751.
775499	PK	**SCOURING PADS**, soap impregnated, "Brillo", "SOS".
775501	BX	**SCRUB PAD**, ultrafine, Scotch Brite #7448. 20 pads per box, 3 boxes per case.
775502	BX	**SCRUB PAD**, general purpose, Scotch Brite #7447. 20 pads per box, 3 boxes per case.
012390	EA	**GLASS CLEANER**, environmentally preferable, per SCL Procurement Specification 9001.00.
775524	EA	**GLASS CLEANER**, liquid with spray, Windex, 32 oz. trigger pump spray bottle. Drackett product Code 90139.
775525	CN	**GLASS CLEANER**, liquid with spray, Windex, Trico, Modern, 19 oz. Aerosol.
775025	EA	**BOTTLE** with spray trigger, 8 oz.
775526	BO	**ALL PURPOSE CLEANER**, environmentally preferable, per SCL Procurement Specification 9001.00.

HAND SOAP

Stock Number	Stock Unit	Description
775448	EA	**POWDER**, in 12 oz. shaker cans.
775450	LB	**POWDER**, for dispensers.
775452	LB	**POWDER**, for dispensers, mildly scented.
777360	EA	**CAKE**, 6 oz. Size, individually wrapped, Camay' Ivory, Palmolive.
777365	EA	**CAKE**, grit, 4 or 4-1/2 oz. bars, mildly abrasive, for grease & stains.
775454	EA	**HAND CLEANER**, WATERLESS, 22 oz. Tube, Mantek "Hand to Hand".
775455	EA	**HAND SOAP**, WATERLESS, pumice formula, 14 oz. squeeze bottles. Natural "Orange" Pumice Hand Cleaner: Gojo #0957, or user approved equal.
775457	EA	**HAND SOAP**, liquid, for rest room dispensers, 27 oz.
775458	EA	**BODY SHAMPOO**, Sanifresh #1040

BUILDING MAINTENANCE SUPPLIES
SWEEPING COMPOUNDS, POLISHES AND DEODORANTS

SWEEPING COMPOUNDS
Stock Unit: LB

Stock No.	Description
726390	SAWDUST AND MINERAL OIL MIXTURE meeting the requirements of UL for sweeping compounds.
726391	SAWDUST, MINERAL OIL AND SAND MIXTURE meeting the requirements of UL for sweeping compounds. West Coast Paper #SCO.

See Pages 76-12 & 76-13 for oil spill clean-up compounds.

WAXES, POLISHES AND FINISHES

Stock No.	Stock Unit	Description
776960	EA	POLISH, METAL, in 32 oz. bottles.
777856	GL	FINISH, FLOOR, polymer acrylic, self-polishing, anti-slip.

DEORDORANTS AND DISINFECTANTS

Stock No.	Stock Unit	Description
775600	EA	DEODORANT, TOILET, 4 oz. cakes (12 cakes/BX)
776755	BO	DISINFECTANT, environmentally preferable, per SCL Procurement Specification 9001.00.

Next Page (77-7) Reserved for Future Use

BUILDING MAINTENANCE SUPPLIES - PAPER GOODS, SHOP TOWELS, RAGS, WASTE CANS AND LINERS

PAPER TOWELS

Stock No	Stock Unit	Size	Description	Manufacturer and Catalog No.
777610	BX	9.1 in x 16.8 in	Towel, paper, teri, heavy-duty, disposable, pop-up box	Kimberly-Clark #34790-50 or approved equal
013150	BX	10.8 in x 10 in	Towel, paper, teri, light-duty, disposable, pop-up box	Kimberly-Clark #03086-L30 or approved equal
777609	PK	–	"C" Fold	Signature #240, Fort Howard #251-90, or approved equal
777626	RL	8 in max. W x 450 ft L	Roll type, single ply, to fit Crown Z cabinets	Towel Saver 953-C
777627	RL	8 in max. W x 1000 ft L	Roll type, single ply, to fit K-C dispensers	Kimberly-Clark Surpass #1000

CAN LINERS, Plastic, Disposable

Description: Disposable, plastic can liners.
SCL Matl. Std.: none

Application: For lining waste cans and other miscellaneous uses. Opaque liners are for collecting trash. Clear liners are used for collecting recyclables.

Stock No	Stock Unit	Nominal Size, in	Nominal Capacity, gal	Minimum Thickness, mil	Color
726848	EA	24 x 24	7-10	0.8	opaque
726844	EA	30 x 37	30	1.5	opaque
726846	EA	33 x 40	33	1.5	opaque
012688	EA	33 x 40	33	1.5	clear
726850	EA	40 x 48	45	2.0	opaque

Seattle City Light Material Control personnel may use their judgement and purchase products slightly different in size and capacity.

SHOP TOWELS

Description: 14 in square cotton. Rented from Overall Laundry Service. Used towels will be picked up by Overall each week. Only white bundles are plastic wrapped.

Stock No.	Stock Unit	Color
777210	EA	white

PAPER CUPS

Stock Unit: TU

Stock No	Type	Size, oz	Description
775590	without handle	5	for cold liquids
775594	with handle	8	for hot liquids

CUP DISPENSERS

Description: Metal, adjustable.

Stock No	Stock Unit	Type	Size, oz
761352	EA	paper	5
761353	EA	paper	8

GALVANIZED GARBAGE CANS

Stock No	Stock Unit	Size, gal
722232	EA	32

DISPOSALBLE URINAL BAGS

Application: For relief in the field when toilet facilities are not readily available. "Brief Relief"™ brand.
Stock Unit: BG
Stock No.: 776944

TOWEL DISPENSERS

Stock Unit: EA

Stock No.	Description
777642	Dispenser, wall mounted for "Towel-Saver" towels (Stock No. 777626)
777646	Dispenser, for Teri Towels (Stock Nos. 777608, 777610)

TOILET PAPER

Stock Unit: RL

Stock No.	Type	Description
776925	1	Single ply, 500 sheet roll James River #132, or prior approval

TOILET SEAT COVERS

Description: Quarter fold, tear-out center.
Stock No.: 775580
Stock Unit: CS

SANITARY NAPKINS

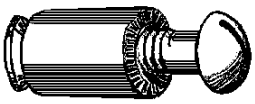
Stock No	Stock Unit	Type	Description
776940	CS	tampon	Tampax, Tampon
776941	CS	napkin	Sanitary Stayfree, Maxipad = 4
726870	CS	–	Bags, for sanitary napkin disposal

Masonry Anchors	***2***
Masonry Anchors, Stud Bolts	***3***
Anchor Devices	***4***
Fasteners - Nails and Staples	***5***
Fasteners - Self-Tapping and Self-Drilling Screws	***9***
Lag Screws	***10***
Aluminum Cap Screws and Nuts and Prepackaged Bolted Electrical Connection Kits	***12***
Machine Screws, Round Head	***14***
Fasteners - Machine Screws, Flat Head and Flat Hex Socket Head	***15***
Hex Bolts	***17***
Hex Head Cap Screws	***18***
Fasteners - Square Head Machine Bolts	***19***
Fasteners - Carriage Bolts	***20***
Nuts	***21***
Nuts: Strut/Spring, Wing and Palnut	***22***
Washers – Aluminum, Copper and Brass	***23***
Steel Washers – Flat and Curved	***24***
Steel Washers – Lock and Spring	***25***
Fasteners – Miscellaneous	***26***

MASONRY ANCHORS

SCREW ANCHOR, Light-Duty

Application: For light duty masonry anchoring.
SCL Matl. Std.: 7800.7
Stock Unit: EA



Stock No.	Screw Size	Hole Diameter, in	Hole Depth, in	Safe Working Load, lbs
780071E	8-32	5/16	1/2	100
780072E	10-24	3/8	5/8	150
780074E	1/4-20	1/2	7/8	200
780075E	5/16-18	5/8	1	300
780076E	3/8-16	3/4	1-1/4	450
780078E	1/2-13	7/8	1-1/2	600

TAPER ANCHOR

Application: For anchoring transformers to floors for seismic loading in high rise buildings.
SCL Matl. Std.: none
Stock Unit: EA

Stock No.	Size, in	US Expansion Bolt Co. Catalog No.
780030E	5/8 x 4-1/2	3441

SLEEVE ANCHOR

Application: For use in cinderblock and brick walls.
SCL Matl. Std.: none
Stock Unit: EA

Stock No.	Bolt Size, in		Manufacturers	
	Diameter	Length	MKT Fastening	Powers
780060E	1/2	3	1715	5030
780062E	1/2	4	1716	5034
780064E	5/8	4-1/4	1719	5040

FLUSH-MOUNT ANCHOR, Internal-Threaded

Description: Medium duty stainless steel (303) expansion anchor. Internally threaded.

Application: For use in concrete where protruding bolt anchors would pose a hazard. These anchors allow for reusable
applications such as for setting temporary pulling plates or blocks
as well as mounting items on the wall that may later be used elsewhere. For installing pulling plates in Network vaults.

SCL Matl. Std.: 7801.10

Stock No.	Stock Unit	Internal Thread Dia, in	Anchor Length, in	Allowable Working Load in 4000 psi Concrete, lb	
				Tension	Shear
012960E	PK/50	1/2	2	1840	2760
012386E	PK/25	5/8	2-9/16	2630	4510

Seattle City Light

STOCK CATALOG

MASONRY ANCHORS, STUD BOLTS

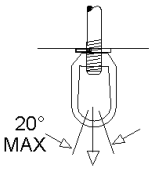
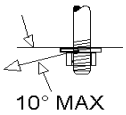
ANCHOR, Stud Bolt (Kwik Bolt 3)

Application: For light duty masonry anchoring. Stainless steel bolts are for anchoring rigging for cable pulling or other anchors that require long term strength properties.

Consult manufacturer's Product Technical Guide for allowable loads at deeper embedment, or for ratings of older versions of Kwik Bolt, contact Standards.

Per SCL Matl. Std.: 7800.9

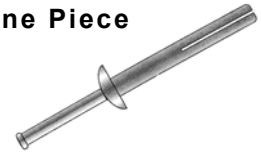
Stock Unit: EA

Stock No.	Size, in	Allowable Working Load in 4000 psi Concrete, lbs		At Minimum Embedment Depth, in
		Tension	Shear	
				
Carbon Steel Type				
780091E	1/4-20 x 1-3/4	430	530	1-1/8
780092E	1/4-20 x 2-1/4	430	530	1-1/8
780095E	1/4-20 x 3-1/4	430	530	1-1/8
780103E	3/8-16 x 2-1/4	1095	1420	1-5/8
780104E	3/8-16 x 3	1095	1420	1-5/8
780105E	3/8-16 x 3-3/4	1095	1420	1-5/8
780022E	1/2-13 x 2-3/4	1620	2735	2-1/4
780111E	1/2-13 x 3-3/4	1620	2735	2-1/4
780113E	1/2-13 x 5-1/2	1620	2735	2-1/4
780024E	5/8-11 x 4-3/4	2210	4070	2-3/4
780115E	5/8-11 x 6	2210	4070	2-3/4
780023E	3/4-10 x 7	2730	5710	3-1/4
316 Stainless Type				
780032	1/2-13 x 2-3/4	1450	2380	2-1/4
780141	1/2-13 x 3-3/4	1450	2380	2-1/4
780143	1/2-13 x 5-1/2	1450	2380	2-1/4
780147	5/8-11 x 3-3/4	1860	4095	2-3/4
780034	5/8-11 x 4-3/4	1860	4095	2-3/4
780145	5/8-11 x 6	1860	4095	2-3/4
780033	3/4-10 x 7	2350	5645	3-1/4

ANCHOR DEVICES

ANCHOR, Nail Drive, One Piece

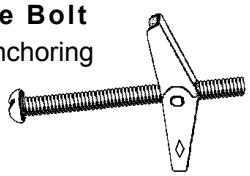
Per SCL Matl. Std.: none
Stock Unit: EA



Stock No.	Size, in.	Manufacturer and Catalog No.
780010E	1/4 x 1	Powers Zamac Nailin 2808
010335E	1/4 x 1-1/2	Powers Zamac Nailin 2820

ANCHOR, Spring Toggle Bolt

Application: For very light anchoring in hollow walls.
Per SCL Matl. Std.: 7801.4
Stock Unit: EA



Stock No.	Bolt Size, in.	
	Diameter	Length
780131	3/16	3
780132	3/16	4
780136	1/4	3
780137	1/4	4
780146	3/8	3
780148	3/8	5

FASTENERS - NAILS & STAPLES

STAPLES

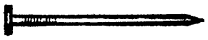
SCL Matl. Std.: 5832.9

Stock Number	Stock Unit	Length, Inches	Width, Inches	Type Point	Finish
583180E	OZ	1-1/2	1/4 to 3/8	Cut	Galvanized
583200E*	EA	2	1/2	Rolled	Galvanized
583261E*	EA	2	1/2	Rolled	Cu-Covered

NAILS, COMMON

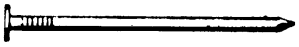
Hot-dip galvanized
Per Fed. Spec. FF-N-105, Type II, Style 10
Stock Unit: LB

Stock Number	Size
782415	6d



NAILS, COMMON

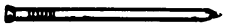
Per Fed. Spec. FF-N-105, Type II, Style 10
Stock Unit: LB



Stock Number	Size	Diameter Inches	Length Inches
782416	8d	0.131	2-1/2
782420	16d	0.162	3-1/2

BRADS, COMMON

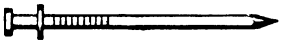
Per Fed. Spec. FF-N-105, Type 1, Style 1
Stock Unit: PK (2-3/4 oz per pk)



Stock Number	Diameter Inches	Length Inches
782286	#18 (.0475)	1

NAILS, DOUBLE-HEAD, SCAFFOLD

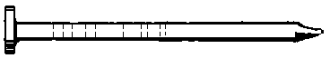
Per Fed. Spec. FF-N-105, Type II, Style 12
Stock Unit: LB



Stock Number	Size	Diameter Inches	Length Inches
782338	8d	0.131	2-1/4
782340	16d	0.162	3

NAILS, SPIKE, ROUND WIRE

Per Fed. Spec. FF-S-606
Stock Unit: LB



Stock Number	Size - Inches		
	Length	Diameter	Head Diameter
782426	8	3/8	3/4

FASTENERS – SELF-TAPPING AND SELF-DRILLING SCREWS

SCREWS, SELF-TAPPING, PAN HEAD, SQUARE DRIVE

Description: Zinc plated steel per ASTM A-164. Also shown on page 57-18.
Per ASTM Std.: A-164
Stock Unit: EA

Stock No.	Size	Length, in.
571807E	#12	1
571806E	#12	2

SCREWS, SHEET METAL TAPPING, PAN HEAD, SLOT DRIVE

Description: Zinc plated steel per ASTM A-164.
Per ANSI Std.: B 18.6.4, Type AB
Stock Unit: EA

Stock No.	Size	Length, in.
787182E	#8	3/4
787190E	#10	3/4
787200E	#12	3/4

SCREWS, SELF-DRILLING, HEX WASHER HEAD

Description: Stainless steel.
Application: For attaching setscrew lug, Stock No. 012564E, to streetlight mast arm.
Per SCL Matl. Std.: none
Stock Unit: EA

Stock No.	Gauge	Hex Head Size, in.	Approximate Major Diameter, in.	Length, in.
012565E	14	3/8	0.242	3/4

LAG SCREWS

LAG SCREWS, Gimlet Point

Description: Zinc-coated, square head, gimlet-point, steel lag screws.

Application: Lag screws are used in overhead line construction and where the applied load is primarily a tensile load. Gimlet-point lag screws are generally twisted into wood members.

SCL Matl. Std.: 7852.1

Stock Unit: EA

Nominal Size, in.	Length, in.	Stock Number
1/4	1	785210E
	1-1/4	785211E
	2	785212E
	2-1/2	785213E
	3	785214E
	3-1/2	785215E
	4	785216E
5/16	1-1/2	785226E
	2	785227E
	3	785229E
3/8	1-1/2	785241E
	2	785242E
	2-1/2	785243E
	3	785244E
	3-1/2	785245E
1/2	3	785259E

LAG SCREWS, Fetter Drive

Description: Zinc-coated, square head, fetter-drive, steel lag screws.

Application: Lag screws are used in overhead line construction and where the applied load is primarily a tensile load. Fetter-drive lag screws are generally installed with a hammer.

SCL Matl. Std.: 7852.1

Stock Unit: EA

Nominal Size, in.	Length, in.	Stock Number
3/8	4	785246E
1/2	4	785261E
	6	785265E

ALUMINUM CAP SCREWS AND NUTS AND PREPACKAGED BOLTED ELECTRICAL CONNECTION KITS

ALUMINUM HEX HEAD CAP SCREW, Heavy

Application: Aluminum hardware is used to make up bolted aluminum-to-aluminum and aluminum-to-copper electrical connections. Refer to Construction Guideline D14-4/NSV-20. This includes connections to integral web channel bus (IWCB) in the Network, transformer and bus terminals, and aluminum lugs in stations and elsewhere. Aluminum fasteners are anodized and lubricated for corrosion resistance and to prevent galling and seizing.

SCL Matl. Std.: 7846.10

Stock Unit: EA

Nominal Size, in.	Threads per in.	Length, in.	Stock No.
1/2	13	2	781809
5/8	11	1	781819
		2	781813
		2-1/2	781815
		3	781817

ALUMINUM HEX NUT, Heavy

Application: Aluminum hardware is used to make up bolted aluminum-to-aluminum and aluminum-to-copper electrical connections. Refer to Construction Guideline D14-4/NSV-20. This includes connections to integral web channel bus (IWCB) in the Network, transformer and bus terminals, and aluminum lugs in stations and elsewhere. Aluminum fasteners are anodized and lubricated for corrosion resistance and to prevent galling and seizing.

SCL Matl. Std.: 7846.15

Stock Unit: EA

Nominal Size, in.	Threads per in.	Stock No.
1/2	13	783558
5/8	11	783560

PREPACKAGED BOLTED ELECTRICAL CONNECTION KITS

Description: Kits contain one 1/2-inch 13 UNC bolt, one nut, two flat washers, and one Belleville spring washer.

Application: The assembly kits are used for making bolted copper and aluminum electrical connections. Replacement stainless steel parts are supplied separately.

SCL Matl. Std.: 7820.0

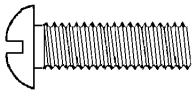
Stock Unit: EA

Nominal Bolt Size, in.	Bolt Length, in.	Material	Stock No.
1/2	1-1/2	stainless	782042
	1-3/4	aluminum	782050
	2	stainless	782040
		aluminum	782051
	2-1/2	stainless	782041
		aluminum	782053
	3-1/2	aluminum	782052

MACHINE SCREWS, ROUND HEAD

ROUND HEAD SLOTTED, STEEL

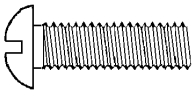
Zinc plated steel.
Per ASME B18.6.3
Steel – ASTM A 307
Zinc Plate – ASTM A 164
Stock Unit: EA



Stock No	Nominal Size	Length Inches
786526E	1/4-20	5/8

ROUND HEAD SLOTTED, BRASS

Per ASME B18.6.3
Stock Unit: EA



Stock No	Nominal Size	Length, Inches
012255E	8-32	5/8
785787E	10-32	3/4

FASTENERS – MACHINE SCREWS, FLAT HEAD & FLAT HEX SOCKET HEAD

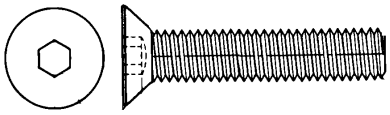
FLAT HEAD, PHILLIPS, BRASS

Per ASME B18.6.3
For wet vault lighting.
Stock Unit: EA

Stock No.	Size	Length, Inches
012256E	6-32	3/4

HEX SOCKET FLAT COUNTERSUNK HEAD CAP SCREW, For IWCB Bus, Stainless Steel

Per ASME B18.3
Steel - ASTM F 879
Class 3A coarse thread series.
Stock Unit: EA



Stock No.	Size	Length, Inches
784440	5/8-11	1-1/2

THE NEXT PAGE (78-16) RESERVED FOR FUTURE USE.

HEX BOLTS

STEEL HEX BOLT
Description: Zinc-coated, steel hex bolts.
Application: General use.
SCL Matl. Std.: 7847.1
Stock Unit: EA

Nominal Size, in.	Threads per in.	Minimum Thread Length, in.	Length, in.	Stock No.
1/4	20	full	0-1/2	784701E
			0-3/4	784703E
		3/4	1	784705E
			1-1/4	784706E
			1-1/2	784707E
			1-3/4	784708E
			2	784709E
			2-1/4	784710E
			2-1/2	784711E
			2-3/4	784712E
			3	784713E
			4	784717E
5/16	18	full	0-1/2	784731E
			0-3/4	784733E
		7/8	1	784735E
			1-1/4	784736E
			1-1/2	784737E
			1-3/4	784738E
			2	784739E
			2-1/4	784740E
			2-1/2	784741E
			2-3/4	784742E
			3	784743E
3/8	16	full	0-3/4	784763E
			1	784765E
		1	1-1/4	784766E
			1-1/2	784767E
			1-3/4	784768E
			2	784769E
			2-1/4	784770E
			2-1/2	784771E
			2-3/4	784772E
			3	784773E
			3-1/2	784775E
7/16	14	full	1	784795E
		1-1/8	1-1/4	784796E
			1-1/2	784797E
			2	784799E

Nominal Size, in.	Threads per in.	Minimum Thread Length, in.	Length, in.	Stock No.
1/2	13	full	0-3/4	784823E
			1	784825E
			1-1/4	784826E
		1-1/4	1-1/2	784827E
			1-3/4	784828E
			2	784829E
			2-1/4	784830E
			2-1/2	784831E
			2-3/4	784832E
			3	784833E
			3-1/4	784834E
			3-1/2	784835E
			4	784837E
			5	784841E
5/8	11	full	1	784885E
			1-1/4	784886E
			1-1/2	784887E
		1-1/2	1-3/4	784888E
			2	784889E
			2-1/4	784890E
			2-1/2	784891E
			2-3/4	784892E
			3	784893E
			3-1/2	784895E
			4	784897E
3/4	10	full	1-1/2	784917E
			1-3/4	784918E
		1-3/4	2	784919E
			2-1/2	784921E
			2-3/4	784922E
			3	784923E
			3-1/2	784925E
			4	784927E

HEX HEAD CAP SCREWS

SILICON BRONZE HEX HEAD CAP SCREW

Application: Silicon bronze hardware is used to make up electrical connections. Refer to Construction Guideline D14-4/NSV-20. Silicon bronze hardware is also used in situations where high-strength and corrosion-resistance is desired.

SCL Matl. Std.: 7845.1

Stock Unit: EA

Nominal Size, in.	Threads per in.	Length, in.	Stock No.
1/4	20	3/4	784503E
		1	784505E
		1-1/4	784506E
		2	784509E
		2-1/2	784511E
5/16	18	3/4	784523E
		1	784525E
		2	784529E
		2-1/2	784531E
		3	784533E
3/8	16	3/4	784543E
		1	784545E
		1-1/4	784546E
		1-1/2	784547E
		1-3/4	784548E
		2	784549E
		2-1/4	784550E
		2-1/2	784551E
1/2	13	1	784585E
		1-1/4	784586E
		1-1/2	784587E
		1-3/4	784588E
		2	784589E
		2-1/4	784590E
		2-1/2	784591E
		3	784593E
		4	784595E
5/8	11	1	784605E
		1-1/2	784607E
		2	784609E
3/4	10	1-1/2	784627E
		2	784629E

STEEL HEX HEAD CAP SCREW, High Strength

Description: High strength, zinc-coated, hex head cap screws conforming to the requirements of ASTM A449.

Application: High strength cap screws are for use on network protectors. An ASTM A449 steel cap screw is equivalent in strength to an SAE Grade 5 fastener.

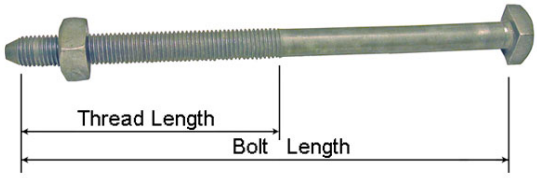
type marking

SCL Matl. Std.: 7847.2

Stock Unit: EA

Nominal Size, in.	Threads per in.	Length in.	Stock No.
1/2	13	1-1/4	011910E
		1-1/2	011911E
		1-3/4	011912E

FASTENERS – SQUARE HEAD MACHINE BOLTS



Description:
Zinc-coated, square head, steel machine bolts,each provided with one square (or hex) nut.

Application:
For overhead line construction and where the applied load is primarily a tensile load.

Per SCL Matl. Std. 7807.1
Stock Unit: EA

Nominal Size, in.	Minimum Thread Length in.	Product Length in.	Stock Number
1/2	1-1/4	1-1/2	780794E
		2	780796E
		3	780800E
	3	4-1/2	780803E
		5	780804E
		5-1/2	780805E
		6	780806E
		7	780808E
	4	8	780810E
		9	780812E
		10	780814E
	6	12	780815E
		14	780816E
		16	780817E
		18	780818E
5/8	1-1/2	2	780827E
		2-1/2	780828E
		3-1/2	780831E
	3	5	780834E
		6	780836E
		7	780838E
	4	8	780840E
		10	780844E
	6	12	780845E
		14	780846E
		16	780847E
		18	780848E
		20	780849E
		22	780850E
		24	781040E
		30	781046E
3/4	6	12	780875E
		14	780876E
		16	780877E
		18	780878E
		20	780879E
		22	780880E
		24	781070E
		26	781072E
7/8	6	12	012636E
		14	012637E
		16	012638E
		18	012639E
		20	012640E
		22	012643E
		24	012641E
		26	012642E

FASTENERS – CARRIAGE BOLTS

Description:
Zinc-coated, carriage bolts, each provided with one square (or hex) nut.

Application:
For general use.

Per SCL Matl. Std. 7804.1
Stock Unit: EA

Nominal Size, in.	Minimum Thread Length in.	Bolt Length in.	Stock Number
1/4	3/4	1-1/2	780434E
		2	780436E
		2-1/2	780438E
		3	780440E
		3-1/2	780441E
		4	780442E
		4-1/2	780443E
		5-1/2	780445E
5/16	7/8	2-1/2	780468E
		3-1/2	780471E
3/8	1	1	780492E
		1-1/2	780494E
		2	780496E
		2-1/2	780498E
		3	780500E
		3-1/2	780501E
		4	780502E
		4-1/2	780503E
		5	780504E
		5-1/2	780505E
		6	780506E
	1-1/4	6-1/2	780507E
		8	780510E
1/2		1-1/2	780524E
		3	780530E
		4-1/2	780533E
		5	780534E

NUTS

HEX NUTS, Brass

Description: Brass nuts with unified course threads, conforming to ASME B1.1.
Application: Smaller sizes for general use.
SCL Matl. Std.: none
Stock Unit: EA

Nominal Size	Threads per in.	Stock No.	Nominal Size	Threads per in.	Stock No.
04	40	783222E	1/4	20	783231E
06	32	783225E	5/16	18	783302E
08	32	783226E	3/8	16	783303E
10	32	783227E			
10	24	783228E			
12	24	783229E			

HEX NUTS, Brass, Jam

Description: Brass jam nut with unified course threads, conforming to ASME B18.2.2, Table 3.
Application: Used in combination with a thicker nut to provide resistance to loosening.
SCL Matl. Std.: none
Stock Unit: EA

Nominal Size, in.	Threads per in.	Manufac-turer	Catalog No.	Stock No.
5/8	11	Fasteners Inc.	0103.062.01.17	783311E

HEX NUTS, Silicon Bonze

Application: Silicon bronze hardware is used to make up electrical connections. Refer to Construction Guideline D14-4/NSV-20. Silicon bronze hardware is also used in situations where high-strength and corrosion-resistance is desired.
SCL Matl. Std.: 7833.3
Stock Unit: EA

Nominal Size, in.	Threads per in.	Stock Number
1/4	20	783321E
5/16	18	783322E
3/8	16	783323E
1/2	13	783325E
5/8	11	783326E
3/4	10	783327E

HEX NUTS, Steel, Cadmium-Coated

Application: Hex nuts are used in the underground system, networks, substations, and in a variety of other applications. A zinc-coated nut can resist corrosion longer than a cadmium-coated nut.
SCL Matl. Std.: 7829.9
Stock Unit: EA

Nominal Size, in.	Threads per in.	Stock No
1/4	20	782982E
5/16	18	782983E
3/8	16	782984E
7/16	14	012283E
1/2	13	782986E
5/8	11	010162E
3/4	10	782989E

HEX NUTS, Steel, Zinc-Coated

Application: Hex nuts are used in the underground system, networks, substations, and in a variety of other applications. A zinc-coated nut can resist corrosion longer than a cadmium-coated nut.
SCL Matl. Std.: 7829.9
Stock Unit: EA

Nominal Size, in.	Threads per in.	Stock No
3/8	16	783114E
1/2	13	783116E
5/8	11	783118E
3/4	10	783119E
1	08	783121E

SQUARE NUTS, Steel, Zinc-Coated

Application: Square nuts are generally used in the overhead system. A zinc-coated nut can resist corrosion longer than a cadmium-coated nut.
SCL Matl. Std.: 7829.9
Stock Unit: EA

Nominal Size, in.	Threads per in.	Stock No
1/2	13	783076E
5/8	11	783078E
3/4	10	783079E
7/8	09	012652E

HEX NUTS, Steel, Cadmium-Coated

Description: Cadmium-coated, steel nuts with unified course threads, conforming to ASME B1.1.
Application: Smaller sizes for general use.
SCL Matl. Std.: none
Stock Unit: EA

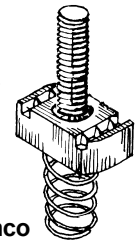
Nominal Size	Threads per in.	Stock No	Nominal Size, in.	Threads per in.	Stock No
4	40	783262E	10	32	783267E
6	32	783265E	10	24	783268E
8	32	783266E	12	24	783269E

NUTS: STRUT/SPRING, WING AND PALNUT

NUTS FOR STRUT

NUTS, STUD, with Spring, for 1-5/8 x 1-5/8 Strut

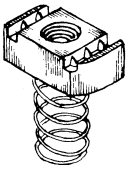
Application: Unistrut channel P-1000 series.
SCL Matl. Std.: none
Stock Unit: EA



Stock No.	Stud Size, in.	Unistrut Cat. No.	Wesanco Cat. No.	Spring
723610	3/8-16 x 2 1/8	P-2380-6	W-6-6 SN	long
723611	1/2-13 x 2 1/8	P-2381-7	W-8-6 SN	long

NUTS, with Spring, for 1-5/8 x 1-5/8 Strut

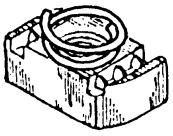
Application: Unistrut channel P-1000 series.
SCL Matl. Std.: none
Stock Unit: EA



Stock No.	Stud Size, in.	Unistrut Cat. No.	Wesanco Cat. No.	Spring
723606E	1/2-13	P-1010	W-2-8	long
723609	3/8-16	P-1008-SS	W-2-6	long
723613	5/8-11	P-1012S	W-2-10	long

NUTS, TWIRL, CONE (Top Lock Nut)

Application: Channel B-Line systems.
SCL Matl. Std.: none
Stock Unit: EA



Stock No.	Stud Size, in.	B-Line Cat. No.	Unistrut Cat. No.	Wesanco Cat. No.
723633	3/8 - 16	B-22, B-54	P-1000, P-3300, P-4000	W-2-6TL

WING NUTS

PLAIN WING, BRASS, TYPE A

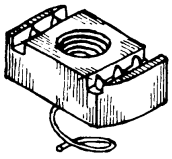
Per ANSI: B 18.17
Stock Unit: EA

Stock No.	Size, in.
783376E	1/4-20

NUTS FOR STRUT

NUTS, with Spring, for 7/8 x 1-5/8 Strut

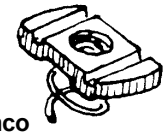
Application: Unistrut channel P-3300 series (7/8 x 1-5/8) and P-4000 series (7/8 x 1-5/8 cast in vault walls).
SCL Matl. Std.: none
Stock Unit: EA



Stock No.	Stud Size, in.	Unistrut Cat. No.	Wesanco Cat. No.	Spring
723603	8-32	P-4006-0832	W-5-0832	short
723604	10-24	P-4006-1024	W-5-1024	short
723605	1/4-20	P-4006-1420	W-5-4	short
723608	3/8-16	P-4008	W-5-6	short
723607E	1/2-13	P-4010	W-5-8	short
723615	5/8-11	P-4012S	W-5-10	short

NUTS, with Spring, for 13/32 x 13/16 Strut

Application: Unistrut channel P-7000 series.
SCL Matl. Std.: none
Stock Unit: EA



Stock No.	Stud Size, in.	Unistrut Cat. No.	Wesanco Cat. No.	Spring
723620	8-32	P-7006-0832	W-7-0832	very short
723622	10-24	P-7006-1024	W-7-1024	very short
723624	14-20	P-7006-1420	W-7-4	very short

PALNUTS

PALNUTS, Steel, Zinc-Coated

Description: Regular, zinc-coated, steel palnuts.
Application: May be used alone in light-duty assemblies or on top of ordinary nuts to assure tightness of high-stress assemblies. Palnuts are reusable and much less expensive than traditional nuts.
SCL Matl. Std.: none
Stock Unit: EA

Stock No.	Nominal Size, in.	Approved Manufacturer
783477	5/8	Palnut Co.

WASHERS - ALUMINUM, COPPER AND BRASS

FLAT PLAIN, Aluminum

Description: Plain flat washers conforming to ANSI B18.22.1, Table 2, for Type B Plain, Regular. Alloy 2024-T4 or T6.
Application: Aluminum hardware is used to make up bolted aluminum-to-aluminum and aluminum-to-copper electrical connections. Refer to Construction Guideline D14-4/NSV-20. This includes connections to integral web channel bus (IWCB) in the Network, transformer and bus terminals, and aluminum lugs in stations and elsewhere.
SCL Matl. Std.: none
Stock Unit: EA

Size, in.	Minimum Thickness, in.	Stock No.
1/2	0.102	788253
5/8	0.102	788254

FLAT PLAIN, Copper Alloy

Application: Copper alloy washers are used in conjunction with silicon bronze cap screws and nuts to make up electrical connections. Refer to Construction Guideline D14-4/NSV-20. Silicon bronze hardware is also used in situations where high-strength and corrosion-resistance is desired.
SCL Matl. Std.: 7880.2
Stock Unit: EA

Size, in.	Stock No.
1/4	788022E
5/16	788025E
3/8	788024E
1/2	788026E
5/8	788027E
3/4	788028E

FLAT PLAIN, Brass

Description: Plain brass flat washers conforming to ANSI B18.22.1, Table 2, for Type B Plain, Regular.
Application: For general use.
SCL Matl. Std.: none
Stock Unit: EA

Size, in.	No.	Stock No.
1/4	14	788006E
1/2	34	788010E

SPLIT LOCK, Helical Spring, Aluminum

Description: Plain flat washers conforming to ANSI B18.22.1, Table 2, for Type B Plain, Regular. Alloy 7075-T6.
Application: Aluminum hardware is used to make up bolted aluminum-to-aluminum and aluminum-to-copper electrical connections. Refer to Construction Guideline D14-4/NSV-20. This includes connections to integral web channel bus (IWCB) in the Network, transformer and bus terminals, and aluminum lugs in stations and elsewhere.
SCL Matl. Std.: none
Stock Unit: EA

Size, in.	Stock No.
1/2	788273
5/8	788274

SPLIT LOCK, Helical Spring, Copper Alloy

Description: Copper alloy, helical spring, split lock washers conforming to ASME B18.21.1, Section 2, and Table 1 (Regular).
Application: Smaller sizes for general use.
SCL Matl. Std.: none
Stock Unit: EA

Number	Size, in.	Stock No.
6	0.138	788117E
8	0.164	788118E
10	0.190	788119E

SPLIT LOCK, Helical Spring, Copper Alloy

Application: Copper alloy washers are used in conjunction with silicon bronze cap screws and nuts to make up electrical connections. Refer to Construction Guideline D14-4/NSV-20. Silicon bronze hardware is also used in situations where high-strength and corrosion-resistance is desired.
SCL Matl. Std.: 7880.2
Stock Unit: EA

Size, in.	Stock No.
1/4	788121E
5/16	788122E
3/8	788123E
1/2	788125E
5/8	788126E
3/4	788127E

EXTERNAL TOOTH LOCK, Copper Alloy

Application: Copper alloy washers are used in conjunction with silicon bronze cap screws and nuts to make up electrical connections. Refer to Construction Guideline D14-4/NSV-20. Silicon bronze hardware is also used in situations where high-strength and corrosion-resistance is desired.
SCL Matl. Std.: 7880.2
Stock Unit: EA

Size, in.	Stock No.
1/4	788101E
5/16	788102E
3/8	788103E
1/2	788104E
5/8	788105E

STEEL WASHERS – FLAT AND CURVED

FLAT PLAIN, Cadmium-Coated

Description: Cadmium-coated, plain flat washers, conforming to ANSI B18.22.1, Table 2, for Type B Plain, Regular.
Application: Smaller sizes for general use. Use Stock Numbers specified in Material Standard 5847.1 for pole line construction.
SCL Matl. none
Stock Unit: EA

Size, in./ Number	Stock No.
3/16	788041E
1/4	788042E
5/16	788043E
3/8	788044E
7/16	788045E
1/2	788046E
5/8	788048E
4	788071E
6	788072E
8	788073E

FLAT PLAIN, Stainless

Description: Stainless steel, plain flat washer.
Application: For making up electrical connections. Replacement parts for kits specified in Material Standard 7820.0.
SCL Matl. Std.: 7820.0
Stock Unit: EA

Size, in.	Stock No.
1/2	788030
5/8	788031

FLAT PLATE

Description: Flat square, electro-galvanized steel plate.
Application: For use with 1/2-inch and 5/8-inch bolts. For tabbed version used with strut channel, refer to page 70-42.
SCL Matl. Std.: none
Stock Unit: EA

Size, in.	Unistrut Cat. No.	Wesanco Cat. No.	Stock No.
1/2	P 1064	W-5054	788190E
5/8	P 1964	W-5055	788192

FLAT ANCHOR PLATE, Zinc-Coated

Description: Zinc-coated steel anchor plate for 3/16-inch bolt.
SCL Matl. Std.: none
Stock Unit: EA

Size, in.	Stock No.
1-5/8 x 1-5/8 x 3/16	584928

FLAT ROUND, Zinc-Coated

Description: Round, zinc-coated steel washers.
Application: For pole line construction and other general use.
SCL Matl. Std.: 5847.1
Stock Unit: EA

Size, in.	Bolt Size, in.	Stock No.
1	3/8	585020E
1-3/8	1/2	585025E
1-3/4	5/8	585030E
2	3/4	585035E
2-1/4	7/8	585040E
2-1/2	1	585045E

FLAT SQUARE, Zinc-Coated

Description: Flat square, zinc-coated steel washers.
Application: For pole line construction and other general use.
SCL Matl. Std.: 5847.1
Stock Unit: EA

Size, in.	Bolt Size, in.	Stock No.
3 x 3	1/2	584945E
3 x 3	5/8 to 3/4	584947
4 x 4	1	584963E
2-1/4 x 2-1/4	5/8 to 3/4	585135E

CURVED SQUARE, Zinc-Coated

Description: Curved square, zinc-coated steel washers.
Application: For pole line construction and other general use.
SCL Matl. Std.: 5847.1
Stock Unit: EA

Size, in.	Bolt Size, in.	Stock No.
4 x 4	5/8 x 7/8	584775E

STEEL WASHERS – LOCK AND SPRING

BELLEVILLE SPRING, Stainless
Application: For making up electrical connections. Replacement parts for kits specified in Material Standard 7820.0.
SCL Matl. Std.: 7820.0
Stock Unit: EA

Size, in.	Stock No.
1/2	584133
5/8	788300

BELLEVILLE SPRING, Zinc-Coated
Description: Zinc-coated, steel, Belleville spring washer. Union Spring drawing 4400. Inside dimension 17/32 inches. Outside dimension 1-3/8 inches.
Application: For making up electrical connections.
SCL Matl. Std.: none
Stock Unit: EA

Size, in.	Bolt Size, in.	Stock No.
0.102	0.022	584130

BELLEVILLE SPRING, Zinc-Coated, Skagit Hi-Line
Description: Zinc-coated, steel, Belleville spring washer. Inside dimension 22/32 inches. Outside dimension 2-3/16 inches.
Application: For Skagit Hi-Line. For making up electrical connections.
SCL Matl. Std.: none
Stock Unit: EA

Size, in.	Bolt Size, in.	Stock No.
0.188	0.032	584135

EXTERNAL TOOTH LOCK
Description: External tooth, steel lock washer conforming to ANSI B18.21.1, Section 3, and Table 8.
Application: For general use.
SCL Matl. Std.: none
Stock Unit: EA

Size, in.	Stock No.
1/4	788180E

DOUBLE COIL LOCK, Helical Spring
Description: Mechanically plated, dichromate-coated, double coil, helical spring lock washers with chamfered ends.
Application: For general pole line use. Washers maintain pressure between wood components that may shrink or swell during varying weather conditions. Keeping components tight minimizes radio and television interference. A 1/2-inch washer is sized for use with a nominal 1/2-inch diameter bolt. For proper installation, use with flat washer and back nut off 1/4 turn after closing coils.
SCL Matl. Std.: 5842.5
Stock Unit: EA

Size, in.	Stock No.
1/2	584257E
5/8	584261E
3/4	584267E

SPLIT LOCK, Helical Spring, Cadmium-Coated
Description: Cadmium-coated, steel, helical spring, split lock washers conforming to ASME B18.21.1, Section 2, and Table 1 (Regular).
Application: Smaller sizes for general use. Use Stock Numbers specified in Material Standard 5842.1 for pole line construction.
SCL Matl. Std.: none
Stock Unit: EA

Number/ Size, in.	Nominal ID, in.	Stock No.
6	0.138	788141E
8	0.164	788142E
10	0.190	788143E
1/4	-	788131E
3/8	-	010468E
1/2	-	010469E
5/8	-	788156E

SPLIT LOCK, Helical Spring, Stainless
Application: For making up electrical connections. Replacement parts for kits specified in Material Standard 7820.0.
SCL Matl. Std.: 7820.0
Stock Unit: EA

Bolt Size, in.	Stock No.
1/2	788160

SPLIT LOCK, Helical Spring, Zinc-Coated
Description: Zinc-coated steel, helical split lock washers. Sizes 1/4 inch and 5/16 inch are protected from corrosion with an electrodeposited coating. Larger sizes are zinc-coated either by a hot-dip or mechanical process.
Application: For pole line construction and other general use.
SCL Matl. Std.: 5842.1
Stock Unit: EA

Size, in.	Stock No.
1/4	584252E
5/16	584253E
3/8	584250E
1/2	584255E
5/8	584260E
3/4	584265E

FASTENERS – MISCELLANEOUS

TURNBUCKLES, Drop-Forged Steel

Hot-Dip Galvanized
Approved Manufacturers: Brewer-Titchner, Crosby Laughlin, Upson-Walton
Per ASTM F - 1145
Stock Unit: EA

Stock No.	Type	Thread Dia., Inches	Take-Up, Inches	Safe Working Load, Pounds
787982	H-H	1/2	6	1040
787937	J-J	3/4	6	4000

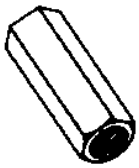
ROD, RUNNING THREAD, Zinc Plated

"All-thread"
Stock Unit: FT

Stock No.	Size
780998	3/8" – 16NC
780999	1/2" – 13NC
781000	5/8" – 11NC

NUT, COUPLING

For Anchor and Steel Rods
Stock Unit: EA



Stock No.	Size	Approved Manufacturers		
		B-Line	Kindorf	Superstrut
780048E	3/8"	B655-3/8	H-195-3/8	H119EG-3/8
780049E	1/2"	B655-1/2	H-195-1/2	H119EG-1/2
780050E	5/8"	B655-5/8	H-195-5/8	H119EG-5/8

STUD, Full Thread

Silicon Bronze
ASTM B98 with Flat Chamfered Points Each End
Stock Unit: EA

Stock No.	Size, D x L
786600	3/8" - 16 x 2-3/8"
012944	3/8″ - 16 x 1-1/2″

80

fiber optics

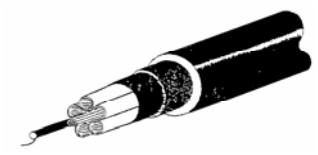
Fiber Optic Cable and Underground Accessories **1**

Fiber Optic Overhead Duct and Accessories **2**

FIBER OPTIC CABLE AND UNDERGROUND ACCESSORIES

FIBER OPTIC CABLE

SCL Matl. Std.: 8001.0
Stock Unit: FT



Stock No.	Description
010311	96 fiber

CORRUGATED INNERDUCT

Description: Orange, high-density, polyethylene, one-inch diameter, corrugated innerduct.
Application: Innerduct is placed inside existing duct and is used to protect fiber-optic communications cable. Product is intended for pulls under 1000 feet and is provided with a silicon lining to minimize friction.
SCL Matl. Std.: 8021.00
Stock Unit: EA
Stock Number: 012689

Seattle City Light

STOCK CATALOG

FIBER OPTIC OVERHEAD DUCT AND ACCESSORIES

FIBER OPTIC AERIAL DUCT

Description: Self supporting figure 8 duct. Duct is not provided with a preinstalled pull line.
SCL Matl. Std.: 8020.0
Stock Unit: FT

Stock No.	Size, in	Strand Size, in
010312	1-1/4 SIDR 9	3/8

CLAMP, Bonding/Grounding

Application: For grounding messenger cable on aerial duct with 3/8″ strand (Stock No. 010312).
SCL Matl. Std.: none
Stock Unit: EA

Stock No.	AD Technologies
012257	1-907015

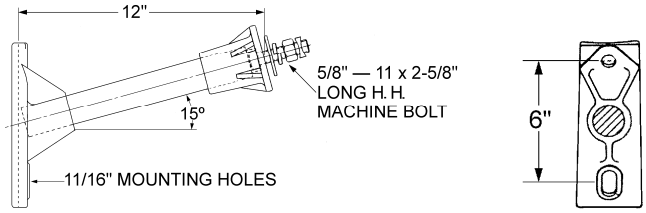
COUPLER, 1-1/4″, Smooth, SIDR 9 Aerial Duct

Description: Self supporting figure 8 aerial duct (Stock No. 010312).
SCL Matl. Std.: none
Stock Unit: EA

Stock No.	Etco Catalog No.
012258	DEL-154UV

STANDOFF BRACKET, Communications

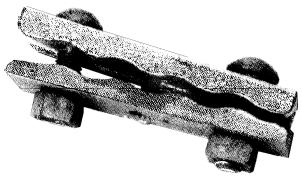
Description: Fiberglass, 12-inch
SCL Matl. Std.: none
Stock Unit: EA



	Approved Manufacturers	
Stock No.	Chance/ Hubbell	MacLean Power Systems
010313	1CSM12	G1MDA112AFX

SUSPENSION CLAMP, Serpentine, Messenger

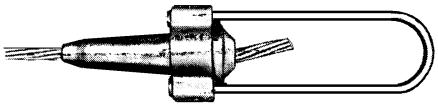
Application: For use on straight runs.
SCL Matl. Std.: none
Stock Unit: EA



Stock No.	Strand Size, in	Approved Manufacturer AD Technologies
010314	5/16 to 3/8	1-907017

DEADEND CLAMP, 3/8-inch Messenger

SCL Matl. Std.: 5650.3
Stock Unit: EA



Stock No.	Strand Size, in	Approved Manufacturer Reliable/MacLean
012084	3/8	5202