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Seattle City Light

Stock Catalog

2018

Welcome to your 2018 edition of the Stock Catalog.

Seattle City Light's construction, design, and material standards, as well as our stock catalog, define the utility's best practices. Compliance with standards is mandatory for all City Light employees and contractors. Your cooperation in this compliance is essential to our shared success.

A handwritten signature in black ink, appearing to read 'Emeka Anyanwu', is positioned below the introductory text.

Emeka Anyanwu, Engineering and Technology Innovation Officer

**Seattle City Light
Stock Catalog 2018**

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Prepared by Julie Hale

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The Standards org runs three committees: Looped Radial, Network, and Grounding. If you have a standards-related question or problem, please bring it to the attention of the Chair or Clerk.

Be aware that security requires those without keycard rights to obtain a pass on the 32nd floor to reach City Light offices and meeting rooms.

Looped Radial

The Looped Radial Standards Committee discusses and solves problems related to design, construction methods, and material used to construct and maintain our overhead and underground distribution systems.

Date: Second Tuesday of each month

Time: 9:00 a.m. to 11:30 a.m.

Location: Confirm with the Standards org

Chair: John Shipek, (206) 684-3950

Clerk: Quan Wang, (206) 386-1785

Network

The Network Standards Committee discusses and solves problems related to design, construction methods, and material used to construct and maintain our network distribution systems.

Date: Third Tuesday of each month

Time: 9:00 a.m. to 11:00 a.m.

Location: Confirm with the Standards org

Chair: Brett Hanson, (206) 684-3726

Grounding

The Grounding Standards Committee discusses and solves problems related to design, construction methods, and material used to construct and maintain our distribution grounding system.

Date: Confirm with the Standards org

Time: 10:00 a.m. to 11:30 a.m.

Location: Confirm with the Standards org

Chair: Brett Hanson, (206) 684-3726

Online Access

Internal

Employees can access all City Light standards at <http://sclweb/engstds> ("The Red Page").

External

The public can access standards at <http://www.seattle.gov/light/engstd>

Recent Revisions

New standards and revisions are published regularly on both the internal and external sites. Be sure to check there for the most recent version of any standard.

You can view a chronological list of recent revisions at either <http://sclweb/engstds/revdate.aspx> or <http://www.seattle.gov/light/engineerstd/revdate.aspx>.

Corrections and Additions

To submit corrections or additions to City Light stock catalog entries, please see:

- SCL 0010.07, "How to Mark Up and Submit a Standard for Revision"
- SCL 0015.14, "Matters to Consider Before Making Material Recommendations"

Book Distribution

Print

We provide printed books to internal users who place advance orders. A limited supply of printed books will be available for those who missed the order deadline.

Digital

Important: We update standards and stock catalog pages throughout the year. As a result, print and digital books might not reflect the most recent revisions. Visit The Red Page to view the latest revision of a standard or stock catalog page.

Bad order (BO) material is distribution and transmission material that fails prematurely, operates defectively, or is damaged.

Standards QA does not need to review all BO material. However, it is important for us to receive any BO material that meets the criteria described on this page.

Why does QA need to review BO material?

The ability to review and evaluate BO material benefits City Light, and particularly Operations and Engineering, in many ways. It:

- Contributes to public and employee safety.
- Provides evidence for legal considerations and claims.
- Reduces environmental impact.
- Helps us achieve more seamless operations.
- Leads to better quality control.
- Gives us data that may be the catalyst for new maintenance programs.
- Facilitates obtaining credit from the manufacturer for warranty items.

When should I send BO material to QA?

Send BO material to QA if any of the following scenarios are true:

- A claim is likely.
- A prolonged outage is likely.
- The material is potentially defective (consider newer material).
- A pattern of failure is detected.

What information should I include?

When you send BO material to QA, please include the following:

- Brief description of failure
- Failure date (or date removed from service)
- Physical location of failure
- Whether a customer outage resulted
- Name of responsible crew chief name
- Pictures taken onsite (optional)

Where should I send BO material?

Please send BO material and any onsite pictures to:

QA Department at South Service Center
Attn: Todd Oki or Quan Wang
South Service Center, Bldg. B, Rm. 130
3613 4th Ave S, Seattle, WA, 98134

Questions

Contact Quan Wang (206) 386-1785 or Todd Oki (206) 386-1896 with any questions.

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STOCK CATALOG**Safety, First Aid Kits****FIRST AID KITS**

Description: Packaged first aid kit. First aid instruction chart included with each kit.

SCL Matl. Std.: none

Stock Unit: EA

Stock

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

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 MICROSIELD mouth barrier with gloves, wipes	1	1	1	1	450MG
110061	GLOVES, latex, disposable	2 pr	1	1	2	400G
110070	EYEWASH 1/2 oz. bottle, mild isoteric buffered solution	2	1	1	2	195S
110170	SCISSORS AND FORCEPS	1 ea	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
013406	DRESSING (ABD pad), trauma, 5" x 9"	1	0	0	0	ABD065590

STOCK CATALOG**Safety – First Aid Supplies**

SCL Matl. Std.: none

Stock Number	Stock Unit	Description
Bandages and Tape		
013381	PK	BANDAGE, 1" x 3", heavy woven, adhesive (50/PK)
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)
013523	EA	BANDAGE, "Israeli Bandage." Includes: primary and secondary dressings, pressure applicator, and closure bar
110201	RL	TAPE, 1" x 5 YD, adhesive waterproof roll, on spool
Eyewash		
013002	EA	EYEWASH, sterile, additive for portable eyewash stations, 16 oz
013534	EA	EYEWASH, sterile, personal 4 oz. size bottle, Honeywell 32-000452 or equivalent
Fire Blankets and Accessories		
110033	EA	FIRE BLANKET, extinguishing
110034	EA	STORAGE BAG, for fire blanket
Hot and Cold Packs		
013147	EA	HEAT PACK, body. Air-activated adhesive body warmer. Average temperature 127°F, maximum temperature 154°F.
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 and 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

STOCK CATALOG**Safety, Respiratory Protection****RESPIRATORS, Half-face, MSA "Comfo Classic"****Description:** Black silicone mask. Half-face type with cradle headband. Without filter.**SCL Matl. Std.:** none**Stock Unit:** EA

Stock Number	Size	MSA Catalog Number
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. Does not come with filter. Requires respirator cartridge filter, Stock No. 013685.**SCL Matl. Std.:** none**Stock Unit:** EA

Stock Number	Size	MSA Catalog Number
110330	S	10102182
110331	M	10102183
110332	L	10102184

RESPIRATOR CARTRIDGES, MSA**SCL Matl. Std.:** none**Stock Unit:** PR

Stock Number	Description	Color	MSA Catalog Number
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
013685	Type H HEPA filter. To be used only with the "Comfo Elite" half-face mask.	magenta	815369

SURFACTANT, Wetting Agent, Encapsulant**SCL Matl. Std.:** none**Stock Unit:** GL

Stock Number	Description	Manufacturer's Catalog Number	
		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 filter.**SCL Matl. Std.:** none**Stock Unit:** EA

Stock Number	Size	North Catalog Number
110450	S	770030S
110451	M	770030M
110452	L	770030L

RESPIRATOR CARTRIDGES, North**SCL Matl. Std.:** none**Stock Unit:** PR

Stock Number	Description	Color	North Catalog Number
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 Number	Application	Packaging	3M Catalog Number
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 Number	Stock Unit	Application	3M Catalog Number
110141	EA	Nuisance dusts only	8210

Safety, Hand Protection

GLOVES, Solvent Resistant, NBR Rubber

Description: NBR rubber, textured, 15 mils, 13-in 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: 15-17 mils, 12-in 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-in gauntlet

SCL Matl. Std.: None

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

Stock Unit: PR

Stock No.: 763400

GLOVES, Disposable, Nitrile

Description: Disposable nitrile gloves, 8 mil, blue, powder-free. Packaged 50/box.

SCL Matl. Std.: None

Stock Unit: BX



Stock No.	Size	Manufacturer	Catalog No.
110250	Small	The Safety Zone	GNPLS5T8
110252	Medium	"	GNPLM5T8
110254	Large	"	GNPLL5T8
110256	X-Large	"	GNPLXL5T8

GLOVE LINERS, 100 Percent Cotton Knit

Description: For cold weather protection and to reduce discomfort of lineworkers' rubber or leather gloves (keepers).

SCL Matl. Std.: 7634.3

Stock Unit: PR

Stock No.	Size
110134	Women's
110135	Men's

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



Stock No.	Catalog No.	Size
012946	960524GO	2 fl oz
775456	9659	12 fl oz

HAND SANITIZER AND HAND CLEANER

Description: Antibacterial hand sanitizer and waterless hand cleaner. Kills 99% of germs, including H1N1 and MRSA. Active ingredient ethyl alcohol (62%).

SCL Matl. Std.: None

Manufacturer: Cortex

Stock Unit: EA

Stock No.	Catalog No.	Size
012999	50923668	8 fl oz



Safety, Hand Protection, Gloves, General Purpose

Glove, General Purpose, Leather

Description: General purpose, cowhide and goatskin leather gloves. Goatskin gloves are available with or without a 4-inch gauntlet. General purpose gloves are worn to protect hands against cuts, abrasions, and punctures. General purpose gloves are not appropriate for use as protectors over insulating rubber gloves or for any sort of protection against hazardous voltage. 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.

Matl. Std.: 7634.17

Stock Unit: EA

Stock No.	Size	Style
013189	Small	Cowhide
013190	Medium	Cowhide
013191	Large	Cowhide
013192	Extra-Large	Cowhide

013193	07	Goatskin
013194	08	Goatskin
013195	09	Goatskin
013196	10	Goatskin

013200	07	Goatskin with Gauntlet
013201	08	Goatskin with Gauntlet
013202	09	Goatskin with Gauntlet
013203	10	Goatskin with Gauntlet
013204	11	Goatskin with Gauntlet
013205	12	Goatskin with Gauntlet
013206	13	Goatskin with Gauntlet



Glove, Mechanic Hybrid

Description: Cut-resistant mechanic hybrid gloves. Intended primarily for use by those needing cut resistance. They may also benefit members of other trades.

Mechanic hybrid gloves are not appropriate for use as protectors over insulating rubber gloves or for any sort of protection against shock or hazardous voltage. Also not appropriate for work with a high arc flash/flare exposure.

Matl. Std.: 4010.13

Stock Unit: EA

Stock No.	Size
013954	Small
013955	Medium
013956	Large
013957	X-Large
013958	2X-Large



Safety, Hand Protection, Gloves, Kevlar-Lined Leather

Gloves, 27 Cal, Kevlar-Lined Leather, Wide Safety Cuff

Description: Kevlar-lined leather gloves with a wide safety cuff. These gloves are primarily intended for use by lineworkers. Can also benefit members of other trades who need a high level of cut and arc rating.

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

Matl. Std.: 4010.17

Stock Unit: EA



Stock No.	Size
013959	Small
013960	Medium
013961	Large
013962	X-Large
013963	2X-Large

Gloves, 53 Cal, Kevlar-Lined Leather, Safety Cuff, Rainproof

Description: Kevlar-lined, rainproof leather gloves with a safety cuff. These gloves are primarily intended for use by lineworkers. Can also benefit members of other trades who need a high level of cut and arc rating.

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

Matl. Std.: 4010.19

Stock Unit: EA



Stock No.	Size
014388	Small
014389	Medium
014390	Large
014391	XL
014392	2XL
014393	3XL

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: Chemsico Div. of
United Industries Corp, "Cutter Backwoods"
#071121962805 (UPC code)

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, Partial Brim, Type 1, Class E

Description: Yellow cap style hard hat with slots for accessories.

Matl. Std: 4006.30
Stock Unit: EA
Stock No.: 110020



Hat, Full Brim, Type 1, Class E

Description: Yellow full brim hard hat for adverse weather conditions.

Matl. Std: 4006.30
Stock Unit: EA
Stock No.: 110022



Cap, Partial Brim, Type 1, Class E

Description: White cap style hard hat with slots for accessories.

Matl. Std: 4006.30
Stock Unit: EA
Stock No.: 110021



Hat, Full Brim, Type 1, Class E

Description: White full brim hard hat for adverse weather conditions.

Matl. Std: 4006.30
Stock Unit: EA
Stock No.: 110112



Liner, Winter, Head Coverage

Description: Dielectric and fire retardant hard hat liner for use in cold weather. Compatible with stock numbers 110020, 110021, 110022, and 110112.

Matl. Std: 4006.30
Stock Unit: EA
Stock No.: 110136



Brow Pad, Snap-on

Description: Replaceable and moisture-absorbing sweatband. For use with stock numbers 110020, 110021, 110022, and 110112.

Matl. Std: 4006.30
Stock Unit: EA
Stock No.: 110190



Liner, Winter, Head, Neck, and Face

Description: Dielectric, fire retardant, 100% cotton hard hat liner for use in cold weather. Detachable face warmer. Compatible with stock numbers 110020, 110021, 110022, and 110112.

Matl. Std: 4006.30
Stock Unit: EA
Stock No.: 110137



Suspension, Pinlock

Description: 6-point dihedral adjustment. For use with stock numbers 110020, 110021, 110022, and 110112.

Matl. Std: 4006.30
Stock Unit: EA
Stock No.: 110182



Chin Strap

Description: Elastic with plastic hooks and buckle. For use with stock numbers 110020, 110021, 110022, and 110112.

Matl. Std: 4006.30
Stock Unit: EA
Stock No.: 110180



Suspension, Ratcheting

Description: 6-point ratcheting adjustment. For use with stock numbers 110020, 110021, 110022, and 110112.

Matl. Std: 4006.30
Stock Unit: EA
Stock No.: 110183



Reflective Strips, Hard Hat

Description: Adhesive, 1 x 4 in, silver/white. For use with stock numbers 110020, 110021, 110022, and 110112.

Matl. Std: 4006.30
Stock Unit: EA
Stock No.: 012590

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 Band

Description: tapered, foam, Noise Reduction Rating: 25 dB

SCL Matl. Std.: none

Manufacturer: Moldex Jazz Band Hearing Protector

Stock Unit: PR

Stock Number: 013389



EARPLUGS, Push-to-Fit

Description: with neck cord, foam, No-Touch™, push-to-fit, Noise Reduction Rating: 29 dB

SCL Matl. Std.:

4007.10

Stock Unit: EA



Stock Number: 013941

EARPLUGS, without Neck 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, Behind-the-Head

Description: foam-filled earmuff cushions, Noise Reduction Rating: 29 dB

SCL Matl. Std.: none

Manufacturer: 3M Peltor Optime

Stock Unit: EA

Stock Number: 013430

Safety Glasses

Safety Glasses

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

Application: To minimize or prevent eye injuries from impact 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. **CAUTION:** Foam-lined safety glasses are not intended for use when the potential for arc flash is present.



Matl. Std.: 4008.10

Stock Unit: EA

Stock No.	Lens Color	Relaxed Hinge to Hinge Width (mm)	Prescription	Adjustable Length Spatula	Apply Over Glasses	Foam Lined
012265	Clear	140	+1.5	No	No	No
012266	Clear	140	+2.0	No	No	No
012493	Smoke	140	+1.5	Yes	No	No
012494	Smoke	140	+2.0	Yes	No	No
012954	Clear, anti-fog	144	None	No	No	No
012955	Clear	128	None	No	No	No
013640	Yellow	129	None	No	No	Yes
013641	Polarized, BL/GR	129	None	No	No	No
013642	Clear, anti-fog	129	None	No	No	Yes
013644	Smoke, anti-fog	129	None	No	No	Yes
013645	Clear, anti-fog	147	None	No	No	Yes
013646	Dark smoke, anti-fog	147	None	No	No	Yes
013825	Amber	140	+1.5	No	No	No
013826	Amber	140	+2.0	No	No	No
110072	Clear	145	None	No	Yes	No
110230	Blue, mirror	132	None	No	No	No
110283	Clear	140	None	Yes	No	No
110284	Gray	140	None	Yes	No	No
110285	Amber	140	None	Yes	No	No
110287	Smoke, mirror	140	None	Yes	No	No
110301	Gray	141	None	Yes	Yes	No

STOCK CATALOG**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

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

FACE SHIELD STORAGE BAG

Description: Fleece lined storage bag for Arc Flash Face Shield (Stock Number: 013238).

SCL Matl. Std.: none

Manufacturer: Chicago Protective Apparel #SW-SB

Stock Unit: EA

Stock Number: 013497

**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

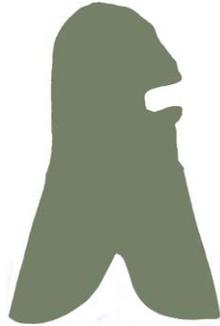
Description: Six ounce, double layer balaclava (sock hood) made from knit material of Carbon Kevlar® fiber.

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, and flame resistant.

Safety vests are intended to make the wearer highly visible in hazardous situations under any light conditions by day, and when illuminated by vehicle headlights at night.

Matl. Std.: 4015.10

Stock Unit: EA

Unit:

Stock No.	Size
110223	Small
110224	Medium
110225	Large
110226	X-large
110227	2X-large
010700	3X-large
010701	4X-large



Safety Vest, Lime, Lightweight

Description: Modacrylic, lightweight (5.0 oz), high-visibility, and flame resistant.

Safety vests are intended to make the wearer highly visible in hazardous situations under any light conditions by day, and when illuminated by vehicle headlights at night.

Matl. Std.: 4015.15

Stock Unit: EA

Unit:

Stock No.	Size
012962	Small
012963	Medium
012964	Large
012965	X-large
012966	2X-large
012967	3X-large
012968	4X-large



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. Length of all gloves is 14 inches.

SCL Matl. Std.: 7634.60

Stock Unit: PR



Stock No.	Size
014333	7
014334	8
014336	9
013258	9-1/2
014337	10
013259	10-1/2
014338	11
014339	12

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
012932	12



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. Length of all protectors is 13 inches.

SCL Matl. Std.: 7634.20

Stock Unit: PR



Stock No.	Size
014341	7
014348	7-1/2
014342	8
014345	9-1/2
013260	10
014346	10-1/2
013261	11
014347	12

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

Padmount Switchgear

Switchgear, Padmount

Description: 27 kV, three phase, live front, padmount switchgear and related accessories.

This switchgear is intended for use on 27 kV, three phase, 60 Hz, grounded neutral underground distribution systems where the available fault current is less than 25 kA rms symmetrical.

PMH is an S&C Electric Company abbreviation for Pad Mount Hot; in other words, padmount, live-front switchgear.

PMH 5 switchgear is for replacement only. Contact System Planning and Protective Relaying prior to ordering PMH 5 switchgear.



Matl. Std.: 4507.90

Stock Unit: EA

Stock No.	Switch Type	Description
250195	PMH-5	Two-position, with one fuse and one switch compartment
250190	PMH-9	Four-position, with two fuses and two switch compartments
250192	PMH-10	Four position, with four switch compartments
014292	PMH-11	Four-position, with one fuse and three switch compartments
250191	PMH-12	Four-position, with three fuses and one switch compartment

Capacitor Banks and Sectionalizers

Capacitor Bank

Description: Pole-mounted capacitor bank (rack with switch and capacitor units, without control unit), 1200 kvar (400 kvar per phase). For use on three-phase, 26.4 kV, 4-wire, solidly grounded, wye-connected, 60 Hz systems.

Matl. Std.: 4509.55

Stock Unit: EA



Stock No.	Description
014374	Capacitor bank assembly (rack, switch, and capacitor units)

Capacitor Bank Control Unit

Description: Control unit for capacitor bank (Stock No. 014374).

Matl. Std.: 4509.55

Stock Unit: EA



Stock No.	Description
014375	Capacitor bank control unit, 400 kvar

Replacement Capacitor Unit

Description: Replacement capacitor unit for capacitor bank (Stock No.014374). Single-phase, two-bushings, rated at 150 kV BIL. Assembled vertically mounted.

Matl. Std.: 4509.55

Stock Unit: EA



Stock No.	Description
014376	Replacement single-phase capacitor unit.

Sectionalizer, Dry Type, Single Phase

Description: Electronic sectionalizer, cutout-mounted resettable, 38 kV, 150 kV BIL, 200 ampere continuous rating, 2 counts, 17" leakage distance, to fit Stock Nos. 682099 or 013739 C/O. For use on 26 kV system.

Matl. Std.: 4504.45

Stock Unit: EA



Stock No.	Description
210111	Electronic Sectionalizer, Resettable, 38 kV, 150 kV BIL, 200 Ampere continuous rating, 2 counts, to fit Stock No. 013739 C/O. For use on 26 kV system.
210115	Replacement actuator for Stock No. 210111.

A. B Chance/Hubbell Catalog No.
 C740-392T

C700-1729

Three-Phase SF6 Switchgear

15.5 kV Manually Controlled Switchgear

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

Matl. Std.: 4501.61
Stock Unit: EA



Stock No. Description

013384	15.5 kV, two-position, load interrupter switch, 600 A, wet vault
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 switchgear, padmount or wet vault. This switchgear has a wide variety of applications, features, and options. Engineers are encouraged to review the material standard before ordering.

Matl. Std.: 4501.65
Stock Unit: EA



Stock No	Positions	Style	Special Application
012673	2	Padmount	Large URD transformer protection device
013490	2	Padmount	University Substation
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	–

29 kV, Three-Phase, SF6, Manhole-Style Switchgear, Remote Controlled

Description: This switchgear is intended for use on 26.4 kV, 4-wire, three-phase, 60 Hz, solidly grounded, wye-connected systems where the available fault current is less than 25 kA rms symmetrical.

Switches are:

- Provided with a viewing window to observe open gaps, ground positions, ground bus, and fault trip indicators
- Floor-mounted
- Fully submersible

Matl. Std.: 4501.63
Stock Unit: EA
Stock No.: 013703



Continued on next page.

29 kV Remote Supervisory (Capable) Distribution Switchgear

Description: 29 kV, 600 A switchgear, padmount or wet vault, with or without automated switch controls and fiber optic transceiver. This switchgear has a wide variety of applications, features, and options. Engineers are encouraged to review the material standard before ordering.

Matl. Std.: 4501.67
Stock Unit: EA



Automated Switch Controls and Fiber Optic Transceiver

# of Ways	Style	Pedestal LVE		Wall Mount LVE		Padmount LVE	
		Included	Provision Only	Included	Provision Only	Included	Provision Only
3	Wet	012704	013246	013725	013726	—	—
4	Wet	012885	013247	013727	013697	—	—
5	Wet	012703	013248	013728	013698	—	—
5	Padmount	—	—	—	—	012711 ^a	013244 ^a
6	Wet	012695	013249	013729	013696	—	—
6	Padmount	—	—	—	—	012710 ^a	013245 ^a
6	Padmount	—	—	—	—	013730 ^b	—

^a LVE is configured right-handed
^b LVE is configured left-handed

Accessories

Stock No.	Description
013348	Portable remote control
013350	Motor control battery pack (white jacketed)
013743	Control cable, 50 ft
013744	5802 control battery pack (black case)

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	SCL 4500.17	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)

LOADBREAK OVERHEAD DISTRIBUTION SWITCHES, 27 kV, Gang-Operated, Vertical (Tiered Outboard)

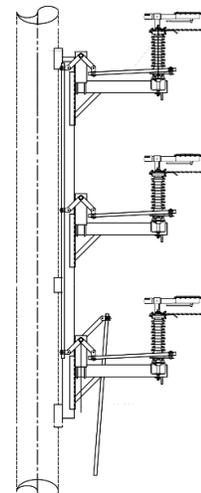
Description: Overhead distribution switch, 1200 A continuous current rating. These are mounted on wood poles to break or pick up load, loop, and line charging current on the SCL 26.4 kV, looped radial distribution system.

Vertical (tiered outboard) loadbreak switches are used to replace KPF style switches installed in a triangle configuration in alleys where it is not possible to flat top the wire or the switches without creating a new trespass.

A taller pole will most likely be needed. Lines should deadend on the pole and jumper to the switch terminals.

Matl. Std.: 4501.51

Stock Unit: EA



Stock No.: 014163

SCADA-Controlled Load Interrupter Distribution Switchgear

29 kV, Three-Phase, Overhead, SCADA-Controlled Distribution Switchgear Systems

Description: 29 kV, three phase, overhead, SCADA controlled, distribution switching systems and related accessories. SCADA stands for supervisory control and data acquisition.

Overhead distribution switches are intended for use on three phase, 26.4 kV, 4 wire, solidly grounded, wye connected, 60 Hz systems.

Horizontal switches are used for sectionalizing feeders.

Riser-style (vertical) switches are installed on terminal poles.

Switchgear and control units involve a variety of complex features and options. Engineers are encouraged to review the material standard before ordering.

Matl. Std.: 4501.55

Stock Unit: EA

Stock No.

Description

- | | |
|--------|--|
| 013874 | Switch, horizontal, three phase voltage sensing on jaw side of switch only |
| 014402 | Switch, riser style (vertical), three-phase voltage sensing on hinge (bottom) side of switch only |
| 013876 | Control unit with IntelliTeam SG Automatic Restoration System Software; three current and three voltage sensing inputs |
| 013875 | 24 Vdc, 8 Ah battery pack |



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	SCL 4500.35	Coupling-inner: For switch handle-wood shaft extension
254970	PR	SCL 4500.35	Coupling: Outer metal switch handle
254978	EA	SCL 4500.35	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

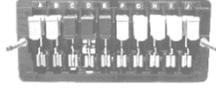
Stock Unit: TU

Stock Number: 013241

Substation Components

Test Switch, 600 V, 30 A, 10 Position

Matl. Std.: 4903.35
Stock Unit: EA



Stock No.	Manufacturer and Catalog No.
012647	ABB 129A501G01
012649	ABB 129A514G01

Identification Strip, Terminal Block

Description: Color: white. To fit Marathon 600 series terminal blocks.

Matl. Std.: None

Stock Unit: EA

Stock No.	Type	Manufacturer and Catalog No.
290309	8 pole	Marathon MS160801
290311	12 pole	Marathon MS161201

Relay Socket, Industrial

Matl. Std.: None

Stock Unit: EA



Stock No.	Manufacturer and Catalog No.
290497	Potter & Brumfield 27E-122

Terminal Block



Description: Voltage rating: 600 Vdc (max.).
 Current rating: 30 A (max.) for unprepared #10 – 22 AWG copper wire; 75 A (max.) for crimp-type ring, spade or fork terminal.

Matl. Std.: 6771.50

Stock Unit: EA

Stock No.	Number of Poles
290308	8
290310	12

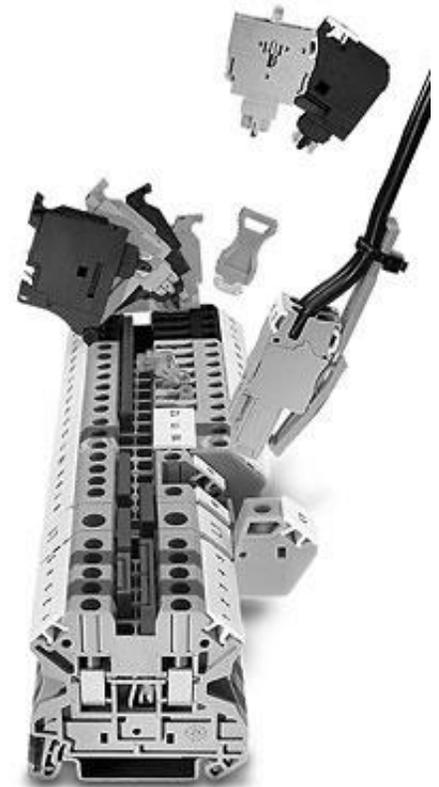
Terminal Block, DIN Modular System

PHOENIX CLIPLINE MODULAR TERMINAL BLOCKS

SCL Matl. Std.: 6771.45

Stock Unit: EA

Stock Number	Component	Phoenix Catalog Information		
		Type	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		Knife disconnect terminal block	UDK 4-MTK-P/P (gray)	2775210
012715			UDK 4-MTK-P/P BU (blue)	2775223
012615		One-level terminal block with double connection on both sides	UDK 4 (gray)	2775016
012716			UDK 4-BU (blue)	2775090
012617	 Ferrule with plastic sleeve, AWG #12	AI 4 – 12 GY	3200959	
012618	 Ferrule with plastic sleeve, AWG #14	AI 2.5 – 12 BU	3200962	



Valves, Transformer Pressure Relief

Transformer Pressure Relief Valve

Description: Transformer pressure relief valves are used in distribution-class transformers including overhead and padmounted units to release excess pressure within the tank. Excess pressure may build up slowly due to overloads, high ambient temperatures, external secondary faults, or internal incipient faults in the low-voltage or high-voltage windings.

Matl. Std.: 4480.10
Stock Unit: EA

Stock No.	Description
294001	Transformer pressure relief valve



Network Protectors and Bus Tie Switches

Network Protector, 216Y/125 V

Description: 216Y/125 V, three-phase, submersible, transformer-mounted, roll out network protector.

Matl. Std.: 4382.16

Stock Unit: EA



Stock No. Amp Rating

336205 1875

336207 2825

Network Protector, 480Y/277 V

Description: 480Y/277 V, three-phase, submersible, transformer-mounted, dead front, drawout network protector. Includes arc flash mitigation features.

Matl. Std.: 4384.80

Stock Unit: EA



Stock No. Amp Rating

337205 1875

337207 2825

337209 3500

337210 4500

Bus Tie Switch Combination 216Y/125 V – 480Y/277 V

Description: Combination 216Y/125 V – 480Y/277 V, three-phase, submersible, wall-mounted, roll out bus tie switch. Set to trip when connected fire protection cabinet detects excessive heat.

Matl. Std.: 4388.88

Stock Unit: EA



Stock No. Amp Rating

335205 1875

335207 2825

Bus Tie Switch, Combination 216Y/125 V – 480Y/277 V, Special Top Bushings

Description: Combination 216Y/125 V – 480Y/277 V, three-phase, submersible, wall-mounted, roll out bus tie switch. Set to trip when connected fire protection cabinet detects excessive heat. Switch includes special top bushings and spades on rear top of the unit for line side connection.

Matl. Std.: 4388.88

Stock Unit: EA

Stock No. Amp Rating

335605 1875

335607 2825



STOCK CATALOG**NETWORK PROTECTORS AND BUS TIE SWITCHES, REPLACEMENT ONLY****Note:** These network protectors and bus tie switches have no material standard and cannot be ordered.**NETWORK PROTECTORS****216Y/125 Volt Transformer Mount, Submersible**

Stock No.	Size (Amps)
332203	1600
332204	1750
332205	1875
332206	2500
332207	2825
332208	3000
332209	3500

480Y/277 Volt, Transformer Mount, Submersible

Stock No.	Size (Amps)
334201	800
334202	1200
334203	1600
334205	1875
334207	2825
334208	3000
334209	3500
334210	4500

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

Stock No.	Size (Amps)
334301	800
334302	1200
334303	1600
334308	3000
334310	4500

BUS TIE SWITCHES

Network protectors modified for bus tie fire protection.

216Y/125 Volt, Wall Mounted, Submersible

Stock No.	Size (Amps)
332403	1600

480Y/277 Volt, Wall Mounted, Submersible

Stock No.	Size (Amps)
334403	1600

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

Stock No.	Size (Amps)
332503	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.	Manufacturer	Model
014261	ETI	521038
014262	Eaton	MPCV-2X 6417C83G03

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.: 4273.13
 ♠ City Light Matl. Std.: 4273.41

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**

kVA	Stock No.					
	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

STOCK CATALOG**SUBMERSIBLE TRANSFORMERS, REPLACEMENT ONLY**

	<i>Xfmr size</i> →	50 kVA	75 kVA	100 kVA
	<i>Xfmr voltage</i> ↓	Secondary (secondary type: spade=S, lead=L, <i>italic=some have</i>) Stock number (*contact Material Control for availability)		
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, <i>some 3 lead, some 3 spade, some 4 spade</i>		4 spade, 3S with handhole
		361132 *	361134 *	361136 *
Misc.	1Φ Xfmr, 2400, stock no. 361832, 50 kVA, 120 volt straight, 1Φ (contact Material Control for availability), no Matl. Std.			

STOCK CATALOG**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

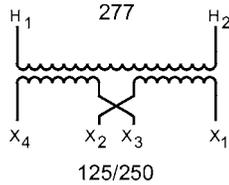
Unless otherwise noted the transformers on this page are not referenced in the City Light Material Standards.

1Ø DRY TYPE

Dry Type, Outdoor

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

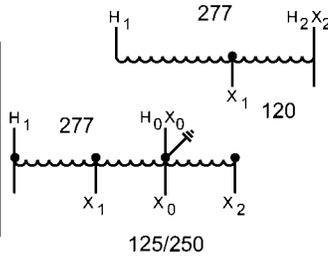
Stock No.	kVA	Mounting
390010 ✦	10	Wall or floor/pad mount
390015 ✦	15	
390042 ‡	25	
390041 ✦‡	37	
390044 ‡	50	Floor/pad mount
390289 ‡	75	
390290 ‡	100	
390291 ✦‡	167	
390292 ‡	250	



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

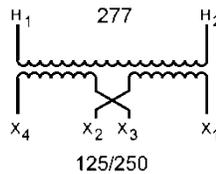
Stock No.	kVA	Voltage
390040 ✦	10	249/263/277-120/240V
390024	25	480-120/240 -5 & +10% taps
390032	50	480-125/250 ±2 - 2-1/2% taps
390036	100	480-125/250 ±2 - 2-1/2% taps
682608	0.25	240/480-120/240 Acme # T2-53007 (for fire Control Cabinet)
687730 ¥	0.1	277/125 See page 70-39

1Ø OIL FILLED

Specialty, Submersible

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

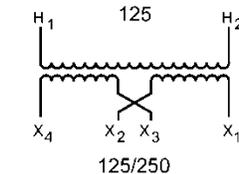
Stock No.	kVA
390048 £	25
390049 £	50
390050 £	75
390051 £	100
390055 £	167



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

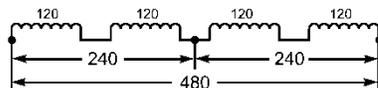


Auto, Outdoor, Pole Mount

1 phase, 240V to 480V

Shop made from line transformer

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



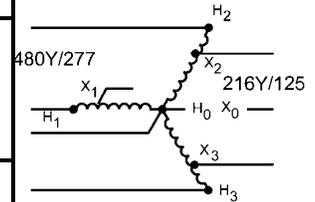
- ‡ City Light Matl. Std. 0039.3
- † City Light Matl. Std. 4470.00
- ¥ City Light Matl. Std. 6877.3
- £ City Light Matl. Std. 0039.0
- ◆ Contact Material Control for Availability

3Ø DRY TYPE

Dry Type, Outdoor

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

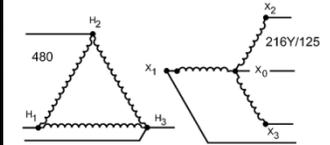
Stock No.	kVA	Mounting
390043 ‡	25	Wall or Floor/pad Mount
391287 ‡	30	
390045 ‡	45	
391289 ‡	75	
390047 ✦	100	
391290 ‡	112.5	Floor/pad Mount
391430 ‡	150	
391291 ‡	225	
391292 ‡	300	
391295 ‡	500	



Dry Type, Outdoor

3 phase, 480 Delta -216Y/125V

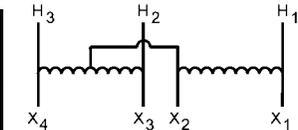
Stock No.	kVA	Mounting
390836	25	Wall/pad Mount
390838	45	Mount
390840 ✦	150	Floor/pad Mount
390846 ✦	225	Mount



Auto, Dry Type, Outdoor

3 phase to 2 phase

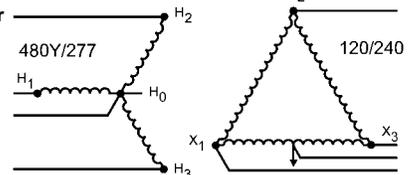
Stock No.	kVA	Voltage 3ø to 2ø
390565	10	480 - 240
390567 ✦	15	240 - 240
390571	25	240 - 240



Other Dry Type, Outdoor

3 phase, 480Y/277-240 Delta

Stock No.	kVA
390520	9
390521	30

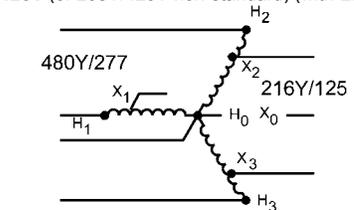


3Ø OIL FILLED

Specialty, Submersible

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

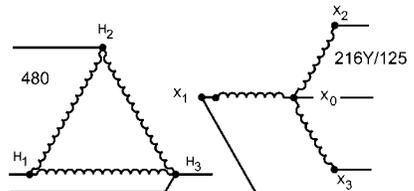
Stock No.	kVA
391124 £	30
391130 £	45
391134 £	75
391138 £	112.5
391140 £	150
391146 £	225



Specialty, Submersible

3 phase, 480 Delta -216Y/125V

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



Overhead Y-Transformers



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

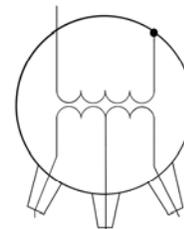
Description: Standard pole-mounted, FR3-filled transformer.

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

kVA	120/240	138/277	240/480	2400	1385/2400
25	355122	355622	–	–	–
50	355132	355632	355332	355932	–
75	355134	355634	355334	355934	–
100	355136	355636	355336	355936	–
167	355142	355642	–	355942	359942
250	–	–	–	355948	359948



internal connection diagram

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

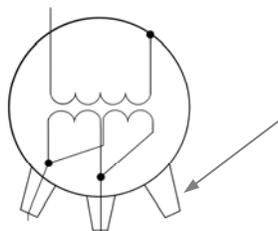
Description: Standard pole-mounted, FR3-filled transformer.

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

kVA	120/240
25	355822
50	355832
75	355834
100	355836
167	355842



internal connection diagram

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

kVA	120/240	138/277	240/480	2400
50	356132	356632	356332	356932
75	356134	356634	356334	356934
100	356136	356636	356336	356936
167	356142	356642	356342	356942

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

kVA	120/240	132/265	240/480
50	351132	351732	351332
75	351134	351734	351334
100	351136	351736	351336
167	351142	351742	351342



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.
Matl. Std.: 4240.00
Stock Unit: EA



kVA	High Voltage	Low Voltage	
		208Y/120	480Y/277
150	25 564GrdY/14 760	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.
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

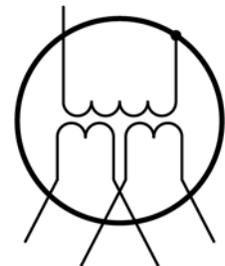
Description: Submersible, FR3-filled transformer.

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 9177.15 for secondary connection details.

SCL Matl Std: 4320.00

Stock Unit: EA

kVA	120/240	138.5/277	240/480
25	362122	362622	362322
50	362132	362632	362332
75	362134	362634	362334
100	362136	362636	–
167	362142	362642	–



external connection diagram

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

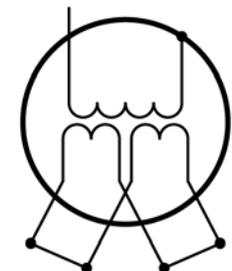
Description: Submersible, FR3-filled transformer.

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 9177.15 for secondary connection details.

SCL Matl Std: 4320.00

Stock Unit: EA

kVA	120/240
25	362822
50	362832
75	362834
100	362836
167	362842



external 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



kVA	Standard			Stainless Steel	
	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

kVA	High Voltage	Type	Low Voltage	
			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

kVA	High Voltage	Type	Low Voltage	
			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

kVA	High Voltage	Type	Low Voltage	
			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		Taps
			216Y/125	480Y/277	
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		Taps
			216Y/125	480Y/277	
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			Taps
			208Y/120	216Y/125	480Y/277	
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

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.125	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 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

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

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

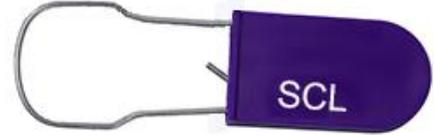
Meter Seals, Meter Socket Sealing Rings, and Meter Covers

Meter Seals, Plastic Padlock

Description: Meter seals are used to secure meter enclosures and provide visible evidence of entry into the enclosure by unauthorized personnel.

Matl. Std.: 4960.07
Stock Unit: EA

Stock No. **Color**
 014305 Purple



Meter Socket Sealing Rings

Description: Meter socket sealing rings are used to overlap the socket rim and the detachable kilowatthour meter cover ring to hold and provide means for sealing a detachable kilowatthour meter in place.

Matl. Std.: 4960.05
Stock Unit: EA

Stock No.	Sealing Type	Application
400209	Snap	For residential use to secure electricity meters to meter sockets



400210	Barrel Lock	For commercial and industrial use in locations where tampering is suspected or possible
--------	-------------	---



Meter Covers

Description: Meter covers are installed on Landis+Gyr meters to allow viewing and reading.

Matl. Std.: 4960.09
Stock Unit: EA

Stock No.	Description
014308	Clear cover with optical port for AX and RX meters
014309	Clear cover with optical port for S4X meters



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 given 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.

Thirty-five-foot poles cited below are given for historical purposes only and should not be ordered.

Thirty-five-foot poles have been determined to be redundant with the availability of the thirty-foot and forty-foot pole, and are therefore no longer necessary

Each pole requires a pole liner. Refer to Material Standard 5092.00.

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 H1	Class H2	Class 3
30	012904	-	-	012910
35	-	-	-	-
40	012906	-	-	012912
50	012907	012436	012449	012913
55	012908	012437	012450	
60	012909	012438	012451	
65	531065	012439	012452	
70	531070	012440	012454	
75	531075	012441	012455	
80	531080	012442	012456	
85	531085	012443	012458	
90	531090	012444	012459	
95	531095	012445	012460	
100	531100	012446	012462	
105	531105	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 3
30	501030	503030
35	-	-
40	501040	503040
50	501050	503050
55	501055	-
60	501060	-

Crossarms, Poles and Accessories

Crossarm, Douglas-Fir, Treated

Description: Pressure treated with copper naphthenate. For overhead line construction.

Matl. Std.: 5400.00

Stock Unit: 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	26 kV	6-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. These have at least two particular applications: 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 wetlands or other environmentally sensitive areas where the use of treated wood poles should be avoided. Engineer should review material standard before ordering.

Matl. Std.: 5214.14

Stock Unit: EA

Stock No.	Description
013172	40-ft, class H2, assembly
013173	50-ft, class 1, assembly
013174	55-ft, class 1, assembly
013175	Jacking lug
013176	Climbing step
013177	Climbing step hole plug
013313	30-ft, class H1, assembly
013524	Pole module joining hardware kit
013745	Climbing step with fall arrest
013751	Fall arrest adapter

Pole, Steel, Embedded

Description: For Cedar Falls 115 kV

Matl. Std.: None

Stock Unit: EA

Stock No.	Class	Length (ft)
550150	2	50

Pole, Stub, Guard, Red Cedar

Matl. Std.: None

Stock Unit: EA

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

Crossarm, Fiberglass, Deadend Assembly



Description: The assembly consists of a crossarm, mounting bracket with double-guy attachment, and two eye-nuts on the front and back of the crossarm. Can be used in single or double deadend construction of the overhead distribution system.

Matl. Std.: 5417.05

Stock Unit: EA

Stock No.	Description
013636	4-pin fiberglass deadend assembly

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 SILICON 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

Aerial Warning Spheres

Aerial Warning Spheres

Description: Aviation orange aerial warning sphere (marker balls) for overhead power lines.

Application: Aerial warning spheres are used for visual identification of overhead power lines by aircraft or other vehicles as they make their approach. Aerial warning spheres are attached to the overhead wires as required by Federal Aviation Administration (FAA) regulations, jurisdictional permits, or policies.

Aerial warning spheres are typically used around airports, heliports, and extensive spans that cross canyons, lakes, and rivers.

20" diameter spheres are used on distribution overhead lines.
36" diameter spheres are used for system voltages up to 230 kV.

Matl. Std.: 6916.07

Stock Unit: EA

Stock No.	Arm Type
014031	20" Aerial Warning Sphere
014028	36" Aerial Warning Sphere



SEATTLE CITY LIGHT
STOCK CATALOG

STOCK CLASS-PAGE: **56-1**
 SUPERSEDING: July 28, 2005
 EFFECTIVE DATE: January 13, 2017

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		Bail Length, in.
	Max.	Min.	
581340 E	#2	#6	12
581342 E	#1/0	#4	12
581344 E	#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

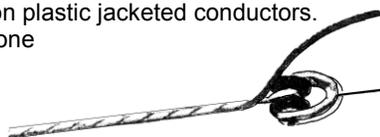
Stock No.	Size	Manufacturers		
		Fanner	Hubbell	Preform
565142	#2/0	90-ASBG	GSG-080	SG 4507
565143	#4/0	110-ASBG	GSG-0100	SG 4509

GRIP, DEADEND, Coated

Application: For use on plastic jacketed conductors.

Per SCL Matl. Std.: none

Stock Unit: EA

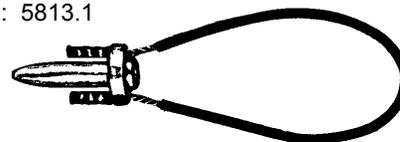


Stock No.	Cond. Size	Length, in.		Manufacturers	
		Min.	Max.	Dulmison	Preform
565132	#4/0	30	35	AND 1545	ND 0114

DEADEND, Cu, Automatic, With Coated Bail

Per SCL Matl. Std.: 5813.1

Stock Unit: EA



Stock No.	Cu Wire Size, AWG		Breaking Strength, lbs.
	Solid	Stranded	
581308 E	#4	#6	6,000
581310 E	#2	#3	6,000
581315 E	#2/0	#1/0	6,000
581320 E	#3/0	#2/0	7,400
012509 E	-	#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	Stranded
581332 E	#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
581301 E	#2	7
581302 E	#1/0	19
581303 E	#2/0	19
581304 E	#4/0	19
581305 E	336.4	19

Line Material - Insulator Ties, Wire Guards, Lineguard & Armor Rod

Ties, Insulator



Figure 1



Figure 2

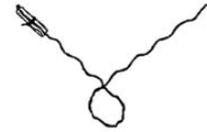


Figure 3

Description: Formed Alumoweld
Stock Unit: EA

Approved Mfrs.

Stock No.	Type	Conductor Size (kcmil/AWG)	O. D. Range (in)	Figure	Mosdorfer	Preformed	Application
013564	Top	397.5	0.756 to 0.858	2	DTF0858P	UTF-1211	Use with 26/7 Ibis.
658950	Side	4/0	0.629 to 0.712	3	—	SPL-MS-9814	Use to 4/0 Al neutral wire to 1-3/4-in diameter spool insulators.
658965	Top	397.5	0.706 to 0.747	2	LTF0747	WTF-0222	Use on steel poles with 2-7/8-in insulator neck diameters.
658979	Top	397.5	0.706 to 0.855	2	DTF0755P	UTF-1210	Use with 18/1 Chickadee.
658991	Side	397.5	0.668 to 0.755	1	DBSTCF0755	DBST-1108	Use on double arm installations.
658993	Side	397.5	0.668 to 0.755	3	STF0755P	STF-1160-P	Use on single arm installations.
658981	Top	397.5	0.668 to 0.755	1	—	DST-0158	Use on double arm installations.

Armor Rod, Formed

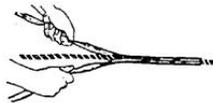
Application: For protecting ACSR against vibration damage.
Matl. Std.: 6589.1
Stock Unit: ST



Stock No.	Size (kcmil)	Conductor		Armor Rod (in)	
		Strands	Code	Dia.	Length
658915	795	30 X 19	Mallard	0.310	100-S (single support)
658920	795	30 X 19	Mallard	0.310	124-D (double support)

Wire Guard, Plastic, PVC

Matl. Std.: 5651.13
Stock Unit: EA



Stock No.	Size (in)	Length (ft)
565180 E	1	6

Lineguard, Formed Aluminum

Matl. Std.: 6589.3
Stock Unit: ST



Stock No.	Code	Size (kcmil)	Dia. (in)
658935	Chickadee	397.5	0.743
658944	Mallard	795	1.140
658940	Arbutus	795	1.026
658946	Rail	954	1.165

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

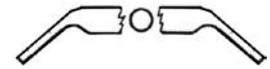


figure 3

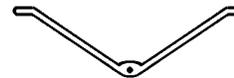


figure 2



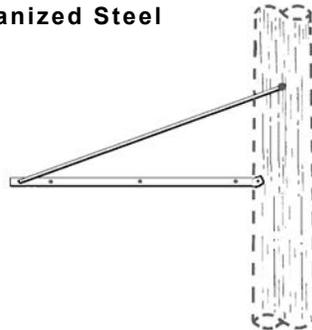
figure 4

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 _____
567105 E saddleback insulator



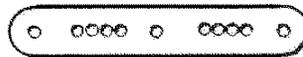
PLATE, DOUBLE AND QUADRUPLE ARMING, Galvanized Steel

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. _____
584375 E 13/16 2-3/4



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



STRAP, SECONDARY RACK REINFORCING, Galvanized Steel

SCL Matl. Std.: 5833.9

Stock Unit: EA

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



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

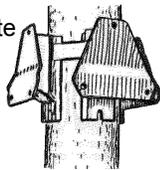
POLE BRACKET, Cable Below

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



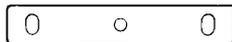
ARRESTER POLE BRACKET

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



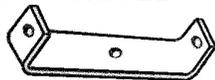
ARRESTER AND POTHEAD ADAPTER

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



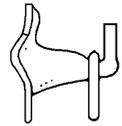
PARALLEL FEEDER CABLES TO SINGLE ARRESTER ADAPTER

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



Cutout Mounting Brackets

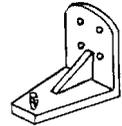
POLE MOUNTING BRACKET

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



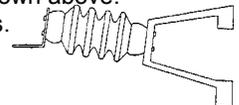
POLE MOUNTING BRACKET, with Insulation

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



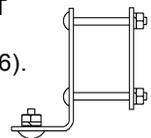
POLE BRACKET ASSEMBLY

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



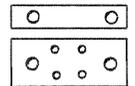
CROSSARM MOUNTING BRACKET

Description: Fits 5-1/2" high by 4-1/2" wide primary feeder arm (Stock No. 540146).
Application: For use with cutout Stock Nos. 013739 and 682047.
SCL Matl. Std.: 5632.12
Stock No.: 682097



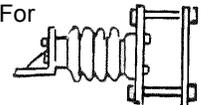
CROSSARM MOUNTING BRACKET

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



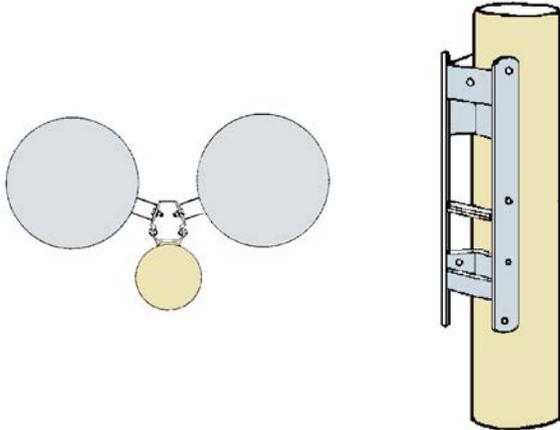
CROSSARM BRACKET ASSEMBLY

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

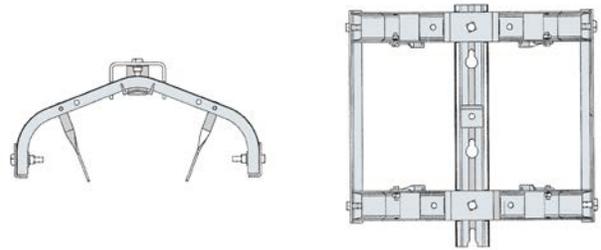


Description: Brackets are fabricated from steel channel or plate, hot-dipped galvanized per ASTM A153 and include four 3/4-in and two 5/8-in hot-dipped galvanized nuts, bolts, and lock washers for mounting transformers with type "A" or "B" lugs. Also includes one lifting eye.

Application: These brackets are intended for mounting two transformers on a single bracket to a pole. The mount is designed with a 200% safety factor for a total maximum weight of 4000 lb.

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 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% safety factor for a total maximum weight of 7500 lb.

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

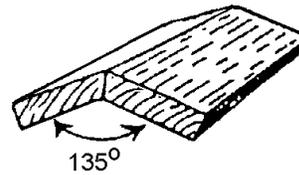
For maintenance only

Per SCL Dwg. A-3729

Stock Unit: EA

Stock No. Length

582910 24"



135°

PITCH: 5



12

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 Number	Item	Stock Unit	Approved Manufacturer and Catalog Number
726860	coil banding	FT	LWS, PEB2G85
726861	seals for 726860	EA	LWS, PEOS2GL

WASHER, Stubbing Band, Galvanized

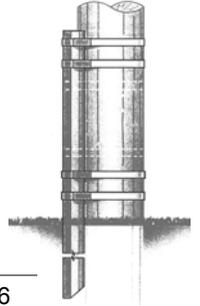
Per SCL Drawing: A-3795
SCL Matl. Std.: none
Stock Unit: EA



Stock Number	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 Number	Approved Manufacturer and Catalog Number
563055	LWS, Pole Enforcer®, 10-11-6

POLE GAIN, Lime, Galvanized

SCL Matl. Std.: 5653.1
Stock Unit: EA



Stock Number	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 Number	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
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



SEATTLE CITY LIGHT
STOCK CATALOG

Stock Class - Page: **56-11**
Superseding : June 7, 2016
Effective Date: May 10, 2018

**Line Material
Guy Materials & Pipe Braces**

GUY WIRE, Al. COVERED, Stranded

Per City Light Matl. 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 Matl. Std. 5650.3 (except 565055)
Stock Unit: EA

Stock No.	Wire Size, Inches	Bail Length, Inches
565053	1/4	4-3/4
565048 E	5/16	4-5/8
565049 E	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 Matl. Std.
5651.40
Stock Unit: EA



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

SPLICE, AUTOMATIC, GUY, FULL TENSION

For aluminum covered steel strand.
Per City Light Matl. 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

Stock Unit: EA



Stock No. 565198 Stock No. 565199 Stock No. 013862¹

Stock No.	Working Load (lb)	Bolt Size (in)	Pin Size (in)	SCL Mtl. Std.
565198	20,000	3/4	3/4	5651.15
565199	30,000	7/8 or 1	7/8	5651.15
013862	30,000	13/16 or 7/8	15/16	5651.28

¹ For fiberglass pole applications

GUY HOOK, Spur Type

Per City Light Matl. Std. 5651.22
Stock Unit: EA



Stock No. 565195 Stock No. 014381

Stock No.	Bolt Dia., Inches	Max. Strand Size, Inches	Type
565195 E	3/4	1/2	Down
014381 E	3/4	1/2	Span

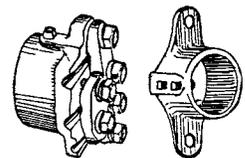
GUY MARKER, Plastic

Per City Light Matl. Std. 5651.8
Stock Unit: EA

Stock No.	Length (ft)
565168 E	8

SIDEWALK GUY FITTINGS

Per City Light Matl. Std. 5650.1
Use with water pipe —
Stk. No. 710370.
Stock Unit: EA

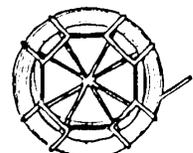


Stock No.	Item	Pipe Size, Inches
565054	Guy Clamp	2-1/2
565105	Pole Plate	2-1/2

DISPENSER, GUY WIRE

For dispensing coiled guy strand.
Stock Unit: EA

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



**Line Material
 Grounding Materials**

GROUND RODS & FITTINGS, Copper

SCL Matl. Std.: 5642.10

Stock Unit: EA



Stock No.	Item	Dia., inches	Length, Feet
564235	Rod	5/8	5
564238 E	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.	
583200 E	2	1/2	0.1620	Galvanized
583261 E	2	1/2	0.1620	Cu covered
013517 E	2	5/8	0.165	Galvanized

Also shown on page 78-5.

GROUNDING STRAP, Perforated Copper

For Grounding to pipe or rod.

Stock Unit: RL



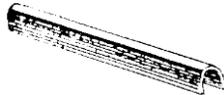
Stock No.	Width, Inches	Length, Feet	Thickness, Inches
564670	3/4	10	0.050

MOULDING, GROUND WIRE, Plastic

SCL Matl. Std.: 5820.5

Stock Unit: EA

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



Line Material, Bolts, Nuts, and Cotter Keys

Bolt, Double Arming, Galvanized

Description: Double-arming, galvanized bolt and nuts. Used to construct double wood crossarm installations where one crossarm is attached on each side of the pole. Bolts are fitted with four nuts on the bolt.

Matl. Std.: 7807.32
Stock Unit: EA



Stock No.	Diameter (in)	Bolt Length (in)	Minimum Tensile Strength (lb)
560518 E	5/8	18	12,400
560520 E	"	20	"
560522 E	"	22	"
560524 E	"	24	"
560526 E	"	26	"
560528 E	"	28	"
560530 E	"	30	"
560532 E	3/4	32	18,350

Bolt, Galvanized, Oval Eye

Description: Galvanized oval eye bolt and nut. Oval eye bolts have many uses in overhead line construction, such as securing clevises, links, and deadend insulators.

Matl. Std.: 7807.41
Stock Unit: EA



Stock No.	Diameter (in)	Length (in)	Tensile Strength (lb)	Thread Length (in)
561010	1/2	10	7700	4
561106	5/8	6	12,400	3
561108	"	8	"	4
561110	"	10	"	4
561112 E	"	12	"	6
561114	"	14	"	"
561116	"	16	"	"
561118	"	18	"	"
561120	"	20	"	"
561122	"	22	"	"
561210	3/4	10	18,300	"
561212	"	12	"	"
561214	"	14	"	"

Nut, Clevis

Description: Galvanized clevis nut, 5/8 in. Clevis nut, pin, and cotter key provided by manufacturer as an assembled unit.
 Clevis nuts are used in guying and deadending applications. They connect guy wire, conductor, wire grips, or deadended bails to eye fittings of insulators, eye bolts, and pole eye plates.

Matl. Std.: 7808.19
Stock Unit: EA



Stock No.	Minimum Tensile Strength (lb)	Tapped Hole Diameter (in)	Pin Diameter (in)	Clevis Opening (in)
565280	12,400	5/8	5/8	3/4

Cotter Pin, Humpback Stainless Steel

Description: Used to secure a variety of spools and shackle pin assemblies.
 Limited for use in pins 5/8 inches in diameter and less.
 Stock No. 013060 is used in 3/15-inch diameter holes and has specific application replacing lost cotter pins cited in SCL 6904.20.
 Stock No. 582528 is used in 7/32-inch diameter holes.



Matl. Std.: 5825.90
Stock Unit: EA
Stock No. Width, Nominal (in)
 013060 1/8
 582528 5/32

Cotter Pin, Brass

Description: For general use.
Matl. Std.: None
Stock Unit: EA



Stock No.	Size (in)	Length (in)
582521	1/8	1

Eye Nut

Description: Oval eye, thimble eye, and twin eye nuts.
 Oval eye nuts are used for deadening, back-guying, and attaching pole head guys on the threaded end of a crossarm bolt.
 Thimble eye (thimbleye) nuts, also known as strand eye nuts, are used to attach through bolts or the threaded end of a straight or angle eye bolt for straight-away guys.
 Twin eye (twineye) nuts, also known as twin strand nuts, are used for head or stub guying of two strands of guy wire. The grooves are contoured to protect the guy wire strands.

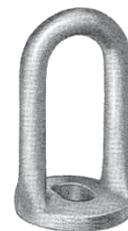


Matl. Std.: 7808.15
Stock Unit: EA

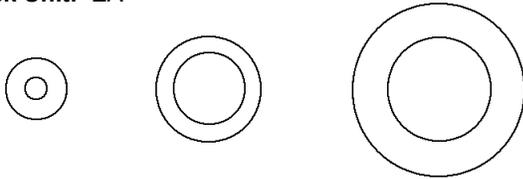
Stock No.	Description	Min. Tensile Strength (lb)
565252 E	Oval eye nut	12,400
565254 E	Oval eye nut	18,350
565260 E	Thimble eye nut	18,350
565266 E	Twin eye nut	18,350

Eyelet

Description: Eyelets have many uses in overhead line construction, such as securing clevises, links, and deadend insulators.
Matl. Std.: 7807.91
Stock Unit: EA



Stock No.	Size, Nominal (in)
014406 E	5/8
014407 E	3/4

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

Wildlife Protection Products, Assorted

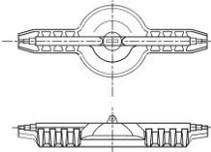
Description: Assorted designs made from various track resistant, UV resistant, insulating materials

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 No.	Description	
013038	Raptor protection cover, single arm/pin construction	 013038
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	
013582	Animal Protection, Bushing Cover (hot-stickable)	

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

013359 Conductor marker/diverter, flapper



013360 Conductor marker/diverter, round



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.

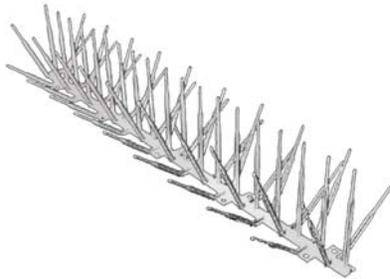
Application: Plastic bird spikes can be installed on ledges, conduit, large flat surfaces, and nesting areas to deter pigeons, crows and seagulls from landing and roosting near high voltage lines or equipment. Product is non-conductive and may be installed on overhead distribution cross arms.

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

Roadway Arterial

Application: For use on arterial roadways for mounting arterial-grade luminaires. Arterial roadways are classified by Seattle Department of Transportation (SDOT). Arterial streetlight pole replaces stock numbers 573977, 573978, 573979, 573981 and 573985.

Matl. Std.: 5750.03

Stock Unit: EA

Stock No.	Mount Height	Length	Bolt Circle	Bolts	Arm Type
573986	35 ft	33 ft	11-1/2 in	4	Mast

Roadway Residential

Application: For use on residential roadways for mounting residential-grade luminaires. Residential roadways are classified by SDOT. Installed on a pre-cast concrete foundation with a bracket arm and an end-mounted, cobra head-style luminaire.

Matl. Std.: 5750.03

Stock Unit: EA

Stock No.	Mount Height	Length	Bolt Circle	Bolts	Color or Finish
573984	25 ft	23 ft	11-1/2 in	4	Satin Aluminum

Roadway Pedestrian, Anchor-Base Type, Round

Application: Installed in various locations to provide light to roadways and walkways.

In 2013, the City of Seattle standardized round pedestrian streetlight poles to be installed on four-bolt anchor bases. These poles replace stock numbers 012179, 573987, 573994, 573995 and 573998.

Stock No. 013412 is used for areas inaccessible by vehicle.

Matl. Std.: 5752.05

Stock Unit: EA

Stock No.	Mount Height	Dimensions	Base	Finish
013409	14 ft	14 ft x 5 in x 3 in	Fixed	Satin Aluminum
013410	20 ft	20 ft x 5 in x 3 in	Fixed	Satin Aluminum
013411	20 ft	20 ft x 5 in x 3 in	Fixed	Dark Bronze
013412	14 ft	14 ft x 5 in x 3 in	Hinged	Satin Aluminum

Roadway Pedestrian, Anchor-Base Type, Square

Application: Installed in various locations to provide light to roadways and walkways.

In 2013, the City of Seattle standardized square pedestrian streetlight pole material standards to be installed on 4-bolt anchor bases. These replace stock numbers 573818, 573820, 573822, 573972, 573989 and 573991.

Stock No. 013420 is used for areas inaccessible by vehicle. Stock No. 013419 is used only for King County Metro RapidRide D-Line bus stop locations.

Matl. Std.: 5754.07

Stock Unit: EA

Stock No.	Mount Height	Dimensions	Base	Finish
013417	16 ft	16 ft x 4 in x 4 in	Fixed	Dark Bronze
013418	20 ft	20 ft x 4 in x 4 in	Fixed	Dark Bronze
013419	14 ft	16 ft x 4 in x 4 in	Fixed	Light Gray
013420	14 ft	14 ft x 4 in x 4 in	Hinged	Dark Bronze

Continued on following page

Decorative, Anchor-Base Type

Application: Round poles installed in various locations to provide light to walkways. Decorative poles are used to support the following streetlight luminaires: Stock No. 012380, 011967, 010398 and 010399.

Poles are installed on a streetlight foundation Stock No. 568025, and on a decorative base, Stock No. 011974 or 011975.

Matl. Std.: 5756.09

Stock Unit: EA

Stock No.	Mount Height	Dimensions	Shaft	Finish
013422	14 ft	14 ft x 4 in x 4 in	Fluted	Black
013423	14 ft	14 ft x 4 in x 4 in	Fluted	Light Gray
013424	14 ft	14 ft x 4 in x 4 in	Fluted	Dark Green
013425	14 ft	14 ft x 4 in x 4 in	Round	Black
013426	14 ft	14 ft x 4 in x 4 in	Round	Light Gray
013427	14 ft	14 ft x 4 in x 4 in	Round	Dark Green

Streetlight Poles

Fiberglass Poles

Description: Supplied with an ornamental base cover in Thermal Red. Used in conjunction with stock number 572660, K56 Tudor luminaire in Thermal Red. Installed onto a 4-bolt, 9-in bolt circle streetlight pole foundation, Stock No. 568025.

Shall be designed with a minimum safety factor of 2:1 and have no more than a 10% deflection at full wind loading.

Application: For use in the Chinatown-International District (CID), designated an historic district by the City of Seattle.

Matl. Std.: 5760.13

Stock Unit: EA

Stock No.	Mounting Height	Length	Bolt Circle	Bolts	Top Diameter	Color or Finish	Notes
574030	12 ft	11 ft-6 in	9 in	4	3 in	Pole: Gray Base: Thermal Red	International District

Concrete Poles

Description: Installed in designated locations. Contact Streetlight Engineering for details.

In 2013, Stock No. 574007 (22-ft gray pole) was replaced by 574004.

Application: Used to support pedestrian streetlight luminaires with a minimum diameter opening of 3-1/2 inches. Direct-buried in the ground.

Matl. Std.: 5758.11

Stock Unit: EA

Stock No.	Mounting Height	Length	Top Diameter	Color	Finish
574003	16 ft-6 in	20 ft	2-7/8 in	Green	Natural sand blasted
574004	20 ft	23 ft-7 in	2-7/8 in	Gray	Natural sand blasted
574010	16 ft-6 in	20 ft	2-7/8 in	White	Polished terrazzo

Steel Pole, Tapered, Standard

Application: Installed *only* on Lake Washington Boulevard (Arboretum). To be used with streetlight bracket arm, Stock No. 013465 and 80-watt LED Domus luminaire, Stock No. 013526.

Matl. Std.: 5683.01

Stock Unit: EA

Stock No.	Length	Color
013464	21.5 ft	Black, textured

Steel Pole, Chief Seattle Ornamental

Description: Galvanized and powder-coated fluted steel. Installed with either a 6-ft Aladdin arm, Stock No. 012771 or an 8-ft Aladdin arm, Stock No. 013536.

Application: Installed *only* in Seattle's Central Business District.

Matl. Std.: None

Stock Unit: EA

Stock No.	Length	Drawing No.	Application
569518	18 ft	SCL Drawing D-41035 rev. 0	For use with 3-globe fixtures
569530	26 ft	SCL Drawing D-41035 rev. 0	For use with Aladdin arm assembly
569531	31 ft	SCL Drawing D-41035 rev. 0	For use with Aladdin arm assembly (used on Alaskan Way)

Streetlight Arms

Bracket Arm, Aluminum, Luminaire Support



Application: For wood poles.
 Maximum luminaire weight 50 lb.

Matl. Std.: 5705.10

Stock Unit: EA

Stock No.	Length	Rise
570501	3-1/4 ft	12 in
570502	6 ft	24 in
570503	8 ft	24 in
013653	6 ft	48 in
013654	8 ft	48 in
570507	10 ft	48 in

Bracket Arm, Aluminum, Luminaire Support



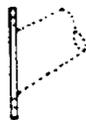
Application: For metal poles.
 Maximum luminaire weight 76 lb.

Matl. Std.: 5705.2

Stock Unit: EA

Stock No.	Length	Rise
570525	4 ft	30 in
570526	6 ft	30 in
570527	8 ft	30 in
570528	10 ft	30 in

Bracket Arm, Aluminum, Luminaire Support



Application: For alley wall mounting and for square poles.

Matl. Std.: 5705.3

Stock Unit: EA

Stock No.	Length	Rise
570512	3-1/4 ft	12 in

Bracket Arm, Aluminum, Pedestrian

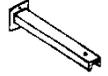
Application: Arboretum use only; use with Stock No. 13465

Matl. Std.: 5683.01

Stock Unit: EA

Stock No.	Length
13465	16 ft

Bracket, Floodlight Mounting, Galvanized Steel



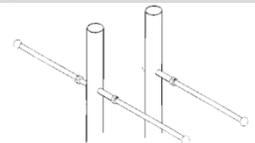
Application: Used where no crossarm is available.

Matl. Std.: None

Stock Unit: EA

Stock No.	Length	Western Power Products	Wilcor
568044	20 in	LB-4	WAFLB

Planter/Banner Arm, Aluminum, Pedestrian Poles



Double arm and single arm

Matl. Std.: None

Stock Unit: EA

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

Steel Streetlight Arm

Application: Installed *only* on Lake Washington Blvd. (Arboretum). Use with steel pole, Stock No. 013464.

Matl. Std.: 5683.01

Stock Unit: EA

Stock No.	Length	Description	Base Diameter	Finish
013465	4 ft	1-ft rise, tapered steel arm	3 in	Black

Streetlight Pole Foundations and Bases

Foundation, Precast Concrete, Arterial

Application: Precast concrete footings are used as an alternative to poured-in-place footings, allowing for immediate foundation systems for at-grade and above-grade applications.

Stock Unit: EA
Matl. Std.: 5778.40

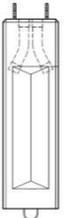


Stock No.	No. of Bolts	Bolt Diameter (in)	Bolt Circle Diameter (in)	Bolt Projection (in)
568028	4	1	11-1/2	4

Foundation, Precast Concrete, Residential

Application: Precast concrete footings are used as an alternative to poured-in-place footings, allowing for immediate foundation systems for at-grade and above-grade applications.

Stock Unit: EA
Matl. Std.: 5778.20



Stock No.	No. of Bolts	Bolt Diameter (in)	Bolt Circle Diameter (in)	Bolt Projection (in)
568025	4	3/4	9	4

Base, Cover, Decorative Streetlight, Short Shroud

Application: Required for installation with 4-inch decorative poles.

Stock Unit: EA
Matl. Std.: 5756.09



Stock No.	Color
014248	Black
014249	Light gray
014250	Dark green

Base, Cover, Decorative Streetlight, Tall Shroud

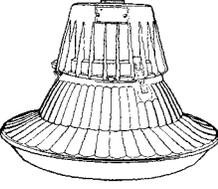
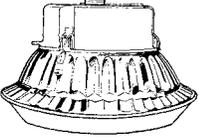
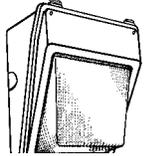
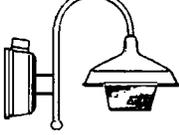
Application: Required for installation with 4-inch decorative poles.

Stock Unit: EA
Matl. Std.: 5756.09



Stock No.	Color
014251	Black
014252	Light gray
014253	Dark green

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	100° Horizontal Beam	Thorn EMI OTS 100/1 (or equal)	EA
	568163	150	120	100° Horizontal Beam	Thorn EMI OTS 150/1 (or equal)	EA
	568166	400	Multi-tap	108° Horizontal Beam	5719.0	EA
	568168	250	Multi-tap	108° 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 Luminaires, Pedestrian

Streetlight Luminaire, LED, Post-Top, Traditional

Description: Traditional, post-top, LED luminaire, Cyclone Marina. Input voltage, functional range, 60 Hz, 120 to 277 Vac. Accepts up to a standard plug type, locking, streetlight photocontrol. Pre-wired with a multi-pin photocell receptacle for controls-integrated streetlight photocontrol. Post-top mounted on 4-in nominal pipe size tenon poles to provide light to pedestrian areas.

Matl. Std.: 5723.19

Stock Unit: EA

Stock No.: **Color** **Description**

013672	Dark Green	Marina post-top LED luminaire
013748	Jet Black	Marina post-top LED luminaire
013868	Black	Promenade post-top LED luminaire
013869	Black	Photocontrol housing for Promenade



Streetlight Luminaire, LED, Post-Top, Classic

Description: Classic, post-top, LED luminaire. Input voltage, functional range, 60 Hz, 120 to 277 Vac. Accepts a standard plug type, locking, streetlight photocontrol. Pre-wired with a multi-pin photocell receptacle for controls-integrated streetlight photocontrol. Post-top mounted on 4-in nominal pipe size tenon poles to provide light to pedestrian areas.

Matl. Std.: 5723.11

Stock Unit: EA

Stock No.: **Color** **Description**

013679	Black	Serenade S56
013680	Dark Green	Serenade S56
013681	Black	K56 Cleveland
013682	Red	K56 Cleveland



Serenade S56 K56 Cleveland

Streetlight Luminaire, LED, Post-Top, Transitional

Description: Transitional, post-top, LED luminaire. Input voltage, functional range, 60 Hz, 120 to 277 Vac. Accepts a standard plug type, locking, streetlight photocontrol. Pre-wired with a multi-pin photocell receptacle for controls-integrated streetlight photocontrol. Post-top mounted on 4-in nominal pipe size tenon poles to provide light to pedestrian areas.

Matl. Std.: 5723.15

Stock Unit: EA

Stock No.: **Color** **Description**

013859	Black	Urbanscape
013860	Gray	Urbanscape



Continued on the next page.

Streetlight Luminaire, LED, Side-Mount, Residential

Description: 24 W, side mount, outdoor type, light emitting diode (LED) streetlight luminaire and accessories.
 Mounted on 2-in nominal pipe size (NPS) tenons on poles to provide light to residential neighborhoods. 25-ft mounting height installation.
 These streetlights are not intended for installation in bridge and overpass applications.
 In 2012, 52 W LED streetlight luminaires replaced less-efficient 70 W units for new construction. In 2013, City Light transitioned to a new 38 W unit, for new construction, and in 2018, transitioned to the 24 W unit.



Matl. Std.:	5723.47
Stock Unit:	EA
Stock No.:	Description
014364	Luminaire
014365	House side shield for LED luminaire
014366	Cul de sac shield

Streetlight Luminaire, LED, Side-Mount, Modern

Description: Modern, LED, side mount, pedestrian luminaires are:

- Intended for replacement of 100 W high pressure sodium (HPS) shoebox type luminaires
- Designed to be side-mounted on 4-inch square poles
- Installed in City designated areas and SCL designated streetlight districts
- Equipped with built in photocontrol housing with tool-less access for a standard, three pin photocontrol
- Controlled by 20-year design life streetlight photocontrols as specified in SCL 5693.10



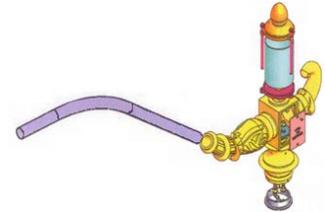
Matl. Std.:	5723.23
Stock Unit:	EA
Stock No.:	Description
014382	Dark bronze
014383	Gray
014395	Black
014300	Dark bronze
014301	Light gray

Streetlight Equipment for Historical Districts

Aladdin Arm Components and Assembly

Description: Cast aluminum, powder coated, Aladdin decorative arm components and complete assembly. For use with Chief Seattle, Ornamental, steel, fluted poles (Stock Nos. 569530 and 569531) and Aladdin fixtures.

Matl. Std.: None
Stock Unit: EA



Stock No.	Description	Valmont Industries Catalog No.
012771	Complete 6-ft arm assembly	7200-Aladdin-FM-6-Foot
013536	Complete 8-ft arm assembly	7200-Aladdin-FM-8-Foot

Cast Aluminum Streetlight Base and Collar Assemblies

Description: These cast aluminum base and collar assemblies are also known as historic, ornamental, or Chief Seattle bases. Bases are used to support and decorate streetlight poles in City-designated historic areas and City Light-designated streetlight districts, including the International District, Westlake, and the 5th Avenue central business district.

Casting patterns are the property of Seattle City Light. See Stock Catalog page 57-2 for the fluted steel poles used with Aladdin fixtures.

Matl. Std.: 5680.33

Stock Unit: EA

Stock No.	Description
568031	Base assembly with access door
568033	Collar assembly, 10-inch diameter
568039	Collar assembly, 12-inch diameter
568114	Access door (if ordered separately)



Cast Bronze Streetlight Base and Collar Assemblies

Description: These cast bronze base and collar assemblies are also known as historic, ornamental, or Chief Seattle bases. Cast bronze versions are used to support and decorate streetlight poles in the City Light-designated streetlight district of Pioneer Square.

Casting patterns are the property of Seattle City Light. See Stock Catalog page 57-2 for the fluted steel poles used with Aladdin fixtures.

Matl. Std.: 5680.44

Stock Unit: EA

Stock No.	Description
568030	Base assembly with access door
568032	Collar assembly, 10-inch diameter
012474	Collar assembly, 12-inch diameter
568116	Access door (ordered separately)



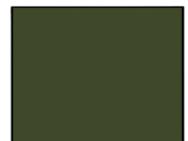
Chief Seattle Streetlight Base Access Door Replacement

Description: Railroad green steel Chief Seattle base access door replacement. Used to replace missing access doors from cast aluminum or bronze Chief Seattle streetlight bases.

Matl. Std.: 5680.51

Stock Unit: EA

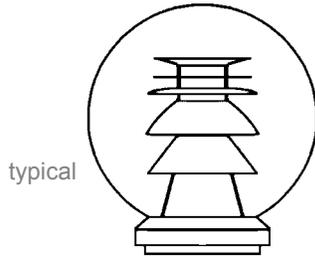
Stock No.	Description
014373	Chief Seattle base access door replacement.



**STREETLIGHT EQUIPMENT FOR HISTORICAL DISTRICTS
 GLOBE FIXTURES**

LUMINAIRES, Single Globe

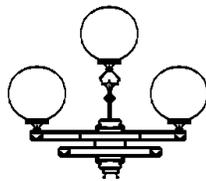
Stock Unit: EA



Stock No.	Dia-meter Inches	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

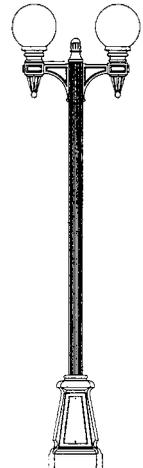
WESTLAKE PEDESTRIAN FIXTURE

Description: Street light base and pole. Globes, brackets and saucers are not included. Complete street light assembly requires two brackets, two saucers and two 18-in, 70W HPS globe luminaires, Stock No. 012164. Seattle City Light owns the casting patterns. Assembly is welded and includes base and pole only. 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, brackets and saucers)
573703	bracket only
573705	saucer only

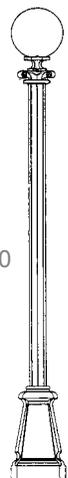
5TH AVENUE PEDESTRIAN FIXTURE

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

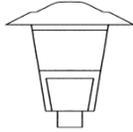
Stock Unit: EA



573720

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

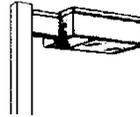
Streetlight Luminaires, Residential, High Pressure Sodium



Styleking F
572383



Styleking G
572397



Entablature
572760



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
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
012380 ▲	ZED Z14	Zenith	070	120	on PO	Lumec	see Material Standard >	5723.30
011967	ZED Z15	Zenith	070	120	on PO	Lumec	see Material Standard >	5723.30
010398	ZED Z40	Nostalgia	070	120	on PO	Lumec	see Material Standard >	5723.30
010399	ZED Z47A	Nostalgia	070	120	on PO	Lumec	see Material Standard >	5723.30

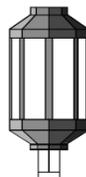
572572 Replacement Lexan refractor panel for the currently installed Sterner Gothic luminaire (canceled luminaire, Stock No. 572404); each Stock Unit includes 2 panels of 4 refractors.

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

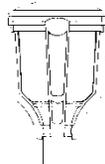
▲ Contact Material Control for availability



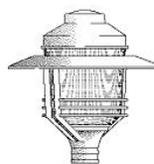
Cleveland
010346



LCC
572404



Z14
012380



Z15
011967



Z40
010398



Z47A
010399

Streetlight Luminaires, Residential

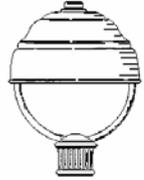
LUMINAIRE, Promenade

Description: Luminaire with photo electric receptacle, modified 90-degree hinge and oversize set screws on pole top fitter. Manufacturer supplies 4-in to 3-in 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

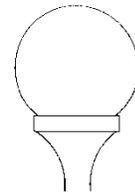
LUMINAIRE, Post Top, HPS, Antique Street Lamps, Inc. (ASL)

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	S18-ESNF-150S-MOG-PCS/SB-TB1-PEB1-ANCM076

LED Streetlight Luminaires and Accessories

Streetlight Luminaire, LED, Side-Mount, Residential

Description: 24 W, side-mount, outdoor type, light emitting diode (LED) streetlight luminaire. LED luminaires are also known as solid state light (SSL) source fixtures.

Mounted on 2-in nominal pipe size (NPS) tenons on poles to provide light to residential neighborhoods.

Intended for installation at a 25 ft mounting height.

Not intended for installation in bridge and overpass applications.

Streetlight Engineering must pre-approve all installations of luminaire shields (Stock Nos.014365 and 014366). Contact Streetlight Engineering for details.



Matl. Std.: 5723.47
Stock Unit: EA
Stock No.: 014364

LED Luminaire, Streetlight, Side-Mount, Collector Arterial-Grade

Description: Collector arterial-grade, side-mount, outdoor type, principal, light emitting diode (LED) streetlight luminaire. LED luminaires are also known as solid state luminaires.

Collector arterial-grade luminaires consume a maximum 135 W. Specific wattage varies by manufacturer and generation. See the material standard for specific ratings.

Mounted on 2-in nominal pipe size tenons on poles to provide light to arterial roadways as defined by the Seattle Department of Transportation. LED life is greater than 100,000 hours. LED streetlight luminaires are 100% mercury- and lead-free.

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



Matl. Std.: 5723.61
Stock Unit: EA
Stock No.: 013492

LED Luminaire, Streetlight, Side-Mount, Principal Arterial-Grade

Description: Principal arterial-grade, side-mount, outdoor type, light emitting diode (LED) streetlight luminaire. LED luminaires are also known as solid state luminaires.

Principal arterial-grade luminaires consume a maximum 195 W. Specific wattage varies by manufacturer and generation. See the material standard for specific ratings.

Mounted on 2-in nominal pipe size tenons on poles to provide light to arterial roadways as defined by the Seattle Department of Transportation. LED life is greater than 100,000 hours. LED streetlight luminaires are 100% mercury- and lead-free.

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



Matl. Std.: 5723.71
Stock Unit: EA
Stock No.: 013495

Shield, LED Luminaire, Streetlight, Side-Mount, Collector Arterial-Grade, Leotek

Description: House side shield installed on Leotek side-mount collector arterial grade LED streetlight luminaires. Mitigates house side backlighting issues. Use with luminaire Stock Number 013494. Shields are not interchangeable between manufacturers.
 Streetlight Engineering must pre-approve all installations of luminaire shields. Contact Streetlight Engineering for details.

Matl. Std.: 5723.61
Stock Unit: EA
Stock No.: 013494

Shield, LED Luminaire, Streetlight, Side-Mount, Principal Arterial-Grade, Leotek

Description: House side shield installed on Leotek side-mount collector arterial-grade principal LED streetlight luminaires. Mitigates house side backlighting issues. Use with luminaire Stock Number 013496. Shields are not interchangeable between manufacturers.
 Streetlight Engineering must pre-approve all installations of luminaire shields. Contact Streetlight Engineering for details.

Matl. Std.: 5723.71
Stock Unit: EA
Stock No.: **Description**

013895	House-side shield for Leotek GC2-90F luminaire, current generation
013496	House-side shield for Leotek GC2-120 luminaire, previous generation

Shield, LED Luminaire, Streetlight, Leotek Residential Luminaire

Description: House side shield installed on Leotek LED residential streetlight luminaires. Use with luminaire Stock No. 014364. Shields are not interchangeable between manufacturers.
 Streetlight Engineering must pre-approve all installations of luminaire shields. Contact Streetlight Engineering for details.

Matl. Std.: 5723.47
Stock Unit: EA
Stock No.: **Description**

014365	Flush-mounted house-side shield for Leotek LED residential streetlight luminaires
014366	Cul-de-sac shield for Leotek LED residential streetlight luminaires

Streetlight Refractors and Globes**LENS, FLAT GLASS, Replacement for HPS Luminaire**

For Cobra-head fixtures.

Stock Unit: EA

Stock No.	Manufacturer and Cat. No.	Replacement for Stock No.
572598	OV 25 Crouse Hinds 84450116H02	572410,572420,572760, 572761, 572800,572801

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**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**

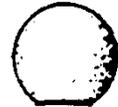
20" Diameter - with 8" neck diameter.

Stock Unit: EA**Stock No. Manufacturer**
568210 Formed Plastics**GLOBE, BALL, Sandblasted Polycarbonate****For Westlake & 2nd Avenue**

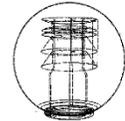
18" Diameter - with 8" neck diameter.

Stock Unit: EA**Stock No. Manufacturer**
568209 Formed Plastics**GLOBE, BALL, White Acrylic**

18" Diameter - with white clamp ring. Replacement for walkway to ferry.

Stock Unit: EA**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 12"	6" x 12"
568208	8" x 14"	8" x 14"

GLOBE, BALL, Acrylic, Etched, With Louver**Description:** 22 in, Type IV optics with louver**Application:** For globe replacement of 22-in induction globe, Stock No. 012664.**SCL Matl. Std.:** 5724.00**Stock Unit:** EA**Stock No.** 013546**GLOBE, ACORN****Stock Unit:** EA

Stock No.	Size	Manufacturer
568212	8" neck diameter	Formed Plastics FP-199

Decorative Luminaires

Decorative Luminaire, LED, Post-Top, Roadway

Description: Decorative LED, post-top roadway luminaires are:

- Installed in City-designated areas and SCL-designated streetlight districts and neighborhoods where a wider lineal distribution of light is intended. The distribution pattern is wider in the front to accommodate wider roadways and the light pattern on the ground is 1.5 times wider than the mounting height of the fixture.
- Post-top mounted on round pedestrian streetlight poles with a 4-in pole-top outer diameter as specified in SCL 5752.05
- Equipped with a built-in slipfitter with a tool-less door to house a standard, seven-pin photocontrol.
- Controlled by 20-year design life streetlight photocontrols as specified in SCL 5693.10.



Matl. Std.: 5725.15

Stock Unit: EA

Stock No. Description

014363 Luminaire

014367 House side shield

014368 Slipfitter

Streetlight Ballasts and Starters**BALLAST MODULE, For Kim Luminaries****Description:** HPS, 120 V, 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
574330	150-400	Advance #LI 501 H4
574332	35-150	Advance #LI 551 J4

GENERATOR ASSEMBLY, INDUCTION, 120 V**Description:** 165 Watts, 120-208 Generator
Operating Volts**Application:** For induction generator replacement
of 22-in induction globe, Stock No. 012664**SCL Matl. Std.:** 5724.00**Stock Unit:** EA**Stock No.:** 013545

Streetlight Lamps

Incandescent, Clear, 130 V, Mogul Screw Base

Description: Single-ended, incandescent, 130 V streetlight lamps with mogul screw bases. Bulb finish is clear. Lamps are for installation in open or enclosed incandescent streetlight luminaires with mogul screw base lamp holders. Lamps have no restriction on burning position.

OBSOLETE. Will be used to depletion.

Matl. Std.: 5722.15

Stock Unit: EA



Stock No.	Watts
730582	500
730584	1000

Metal Halide, Mogul Screw Base

Description: Single-ended, metal halide, streetlight lamps with mogul screw bases. Bulb finish is clear. For installation in open or enclosed metal halide streetlight luminaires with mogul screw base lamp holders. Lamps have no restriction on burning position.

OBSOLETE. Will be used to depletion.

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.

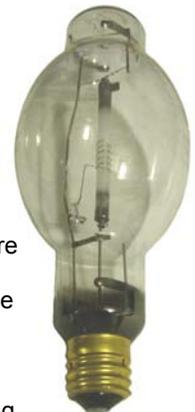
Application: Lamps are for installation in mercury luminaires where the efficiency of high pressure sodium is desired, but it is not convenient or practical to replace the existing fixture. Lamps have no restriction on burning position.

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

Photoelectric Control, Standard Life

Description: Streetlight photocontrol, standard life, blue body, operating voltage 105 to 305 Vac. Load rating, incandescent lamp, minimum, watts 1000. Load rating, high-intensity discharge (HID), minimum, VA 1800. Failure mode: fail on.
 Photocontrols are used as light-sensing switches to control luminaires. For light-emitting-diode (LED) style streetlight luminaires, use 20-year design life photocontrols, Stock No. 013129.

Matl. Std.: 5693.00
Stock Unit: EA
Stock No.: 569333



Blue

Photoelectric Control, 20-Year Design

Description: Streetlight photocontrol, 20-year design life, black body, operating voltage 105 to 305 Vac. Load rating, LED, minimum, watts 1000. Load rating, incandescent lamp, minimum, watts 1000. Load rating, high-intensity discharge (HID), minimum, VA 1800. Failure mode: fail on.

Photocontrols are used as light-sensing switches to control luminaires. Twenty-year design life photocontrols are intended for use with light-emitting-diode (LED) style streetlight luminaires.
 Twenty-year design life photocontrols are technically compatible with standard high-pressure sodium (HPS) luminaires, but due to their relatively high initial material cost and long life, are considered a poor match for that application.

Matl. Std.: 5693.10
Stock Unit: EA
Stock No.: 013129



Black

Shorting Cap

Description: For NEMA twist lock receptacle on luminaires. Used as a troubleshooting tool and for multiple control streetlight installations.

Matl. Std.: 5693.00
Stock Unit: EA
Stock No.: 569334

Photoelectric Control Mounting Bracket

Description: Pressure treated with copper naphthenate. For overhead line construction.

Matl. Std.: 5693.2
Stock Unit: EA
Stock No.: 568046

Photoelectric Control, Stem Mount

Description: For Lawnaire and Sternco Gothic luminaires.

Matl. Std.: None
Stock Unit: EA



Stock No.	Voltage	Manufacturer Catalog No.	
		ALR	Intermatic
569336	120	A105	K4121C

Plate, PVC, White

Description: 1/8-in thick x 2-in wide, white PVC Sintra® with UV inhibitors.

Matl. Std.: None

Stock Unit: EA

Stock No.	Length
571803 E	10-1/2 in
571804 E	13-1/2 in
571805 E	16-1/2 in

Streetlight Pole Receptacle, GFCI

Description: Hospital grade GFCI receptacle outlet for use only on streetlight poles. 20A, 125 V, NEMA 5-20R, 2P, 3W, gray.

Matl. Std.: None

Stock Unit: EA

	Manufacturer Catalog No.	
Stock No.	Hubbell	Leviton
569220	GF-8300	7899-HGG

Streetlight Pole Receptacle Plate

Description: Cover for Streetlight Pole Receptacle, Stock No. 569220. Gray, weatherproof.

Matl. Std.: None

Stock Unit: EA

	Manufacturer Catalog No.	
Stock No.	Hubbell	Raco
569225	WP-26	5028

Streetlight Power Tap Adapters

Description: Streetlight power tap adapters provide temporary overhead power to normally underground-fed streetlights. In these situations, the underground system has failed and the streetlight must be restored immediately. Temporary overhead power is provided until the underground system can be repaired.

Power tap adapters are installed between the photocontrol or shorting cap and the receptacle on the luminaire, which allows for the provision of constant 120 Vac power without tampering with the existing pole, arm, and/or luminaire.

Applications other than providing temporary overhead power to streetlights require approval from Streetlight Engineering.

Matl. Std.: 5693.45

Stock Unit: EA

Stock No. 014057



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

Capitals, for Broadmoor Post Top

Matl. Std.:	None			
Stock Unit:	EA			
Stock No.	Color	Material	Application	Kings Catalog No.
572656	S/W F63 BXG 188	Cast Aluminum	Extender capital to fit 3-1/2-in pole top tenon	King "Broadmoor" drawing No. 202A1006
572652	Blue/Green	Cast Aluminum	Transition capital, 7-in top	KA-5

Door, Base, Aluminum, for "Chief Seattle" Bases

Description: Access door for use with cast aluminum base (Stock No. 568031).

Matl. Std. 5680.33
Stock Unit: EA
Stock No.: 568114

Door, Base, Bronze, for "Chief Seattle" Bases



Description: Access door for use with cast bronze base (Stock No. 568030).

Matl. Std. 5680.44
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.

Matl. Std.: None
Stock Unit: EA
Stock No. **Manufacturer** **Catalog Name**
 568118 Lite Rite Inc. "Easy Access"

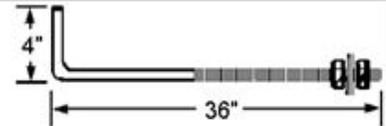
Bolt, for Base, With Nut, Galvanized



Description: Hex head, with hex nut assembled to bolt. Conforms to ANSI B18.2.1 and B18.2.2.

Stock Unit: EA
Stock No. **Size (in)**
 568055 1 x 3

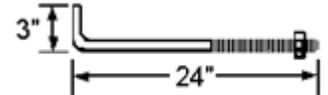
Bolt, Anchor, Galvanized for "Chief Seattle" Pole Foundations



Description: 1 in x 36 in x 4 in with two heavy hex nuts, two flat washers and one lock washer. Conforms to ASTM A307.

Stock Unit: EA
Stock No.: 568058

Bolt, Anchor



Description: 1 in x 24 in x 3 in 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.

Matl. Std. 4470.00
Stock Unit: EA
Stock No.: 391286

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. Refer to NESC, Section 26 - Strength Requirements, for applying rated strength values.

Matl. Std.: 6000.00
Stock Unit: EA



Stock No.	Size (kcmil)	Stranding, aluminum/steel	Code Word	Nominal Diameter (in)	Minimum Rated Strength (lb)
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 conductors to tie top insulators.

Matl. Std.: none
Stock Unit: FT



Stock No.	Size (AWG)	Number of Strands	Nominal Diameter (in)	Approved Manufacturers
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.

Matl. Std.: 6000.20
Stock Unit: FT



Stock No.	Size (kcmil)	Class	Number of strands	Code Word	Nominal Diameter (in)	Minimum Rated Strength (lb)
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	Goldenrod	1.126	16,900

Continued on the next page.

Wire, Aluminum, Overhead, Primary

Line Wire, Covered

Description: Aluminum, weather-resistant, polyethylene covered, single conductor line wire.

Application: 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.

Matl. Std.: 6005.1

Stock Unit: FT



Stock No.	Size (AWG)	Number of Strands	Code Word	Diameter, Nominal (in)	Minimum Rated Strength (lb)
600318	4/0	7	Olive	0.626	3,450

Wire, ACSR/E3X, Bare

Description: Bare, concentric-lay stranded aluminum conductor, steel reinforced wire with special coating (ACSR/EX3). Aluminum strands are made from round 1350-H19 (extra hard) alloy wire. Steel core strands are zinc coated.

Wire is used as a bare, overhead, transmission conductor. Wire with a high proportion of aluminum is better suited for applications requiring low electrical impedance. Wire with a high proportion of steel is better suited for long span applications.

E3X is a proprietary coating offered by General Cable that increases the ampacity of bare ACSR by increasing emissivity and lowering absorptivity. This product is installed the same and uses the same connectors as uncoated ACSR.

Matl. Std.: 6000.05

Stock Unit: FT



Stock No.	Size (kcmil)	Stranding, Aluminum/Steel	Code Word
013766	795	30/19	Mallard/E3X
013767	954	45/7	Rail/E3X

High Temperature, Low Sag Conductor

Description: High temperature, low sag (HTLS), overhead transmission line conductor.

HTLS is similar in construction and dimensions to Aluminum Conductor Steel Reinforced (ACSR); however, HTLS has a higher strength-to-weight ratio and lower thermal expansion than comparably sized steel core conductors. Because it is lighter and sags less, even at higher operating temperatures, higher line ratings are possible at equivalent tensions and clearances.

Note: Joule heating (line losses) increase linearly with operating temperature. Refer to material standard for complete details.

Matl. Std.: 6001.05

Stock Unit: FT



Stock No.	Diameter, Total Conductor, Minimum (in)	Total Weight, Maximum (lb/ft)	Tensile Strength, Ultimate, Maximum (lb)
013632	1.0	1.25	32,000

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.: 6101.10

Stock Unit: FT



Stock Number	Size, AWG	Number of Strands	Nominal Diameter, in
610006	2	1	0.258
610008	4	1	0.204

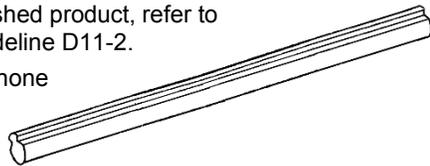
TROLLEY WIRE, Grooved

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 No. 611393 is used for the system neutral when the phase conductor consists of small copper wire.

SCL Matl. Std.: 6004.50

Stock Unit: FT



Stock No.	Size, AWG	Temper	Diameter, Nominal (in)	Pkg.	Length, Nominal (ft)
611444	6	SD	0.222	Coil	1700
611393	4	MHD	0.264	Reel	10,000
611392	4	MHD	0.264	Coil	1100
014121	4	SD	0.264	Reel	10,000
611442	4	SD	0.264	Coil	1100
611390	2	MHD	0.348	Reel	4545

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 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 No.	Conductor Size	Conductor Alloy	Jacket Material
613212	#6 AWG	Copper	LLDPE
613222	350 kcmil	Copper	LLDPE

15 kV Cable, Underground Primary Distribution, EPR

15 kV, 3/C, Tape Shielded Cable

Description: Ethylene propylene rubber (EPR) insulated, medium voltage power cable. Refer to the Material Standard and Design Standard 9660.04 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 No.	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 the Material Standard and Design Standard 9660.04 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.

Note: For a cable fault occurring between two vaults, full fault current flows in the metallic shield from the fault location to the first splice vault nearest the source. Because the phases of a 3-1/C cable are individually jacketed, adjacent metallic shields (or separately pulled, bare-ground conductors) cannot be counted upon to dissipate fault current.

SCL Matl. Std.: 6025.60

Stock Unit: FT

Stock No.	Conductor Size	Conductor Alloy	Jacket Material	Length per Reel, ft
012735	500 kcmil	copper	LLDPE	1800
623670	1000 kcmil	copper	LLDPE	1200



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 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

27 and 28 kV Cable, Underground Primary Distribution

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 Matl. 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 and 35 kV Cable, Underground Primary Distribution, TRXLPE**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



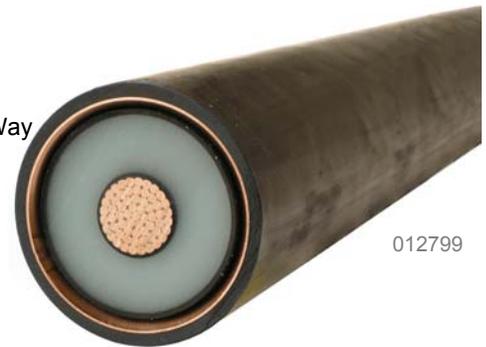
Stock Number	Conductor Size	Conductor Alloy	Jacket Material
623655	1000 kcmil	copper	LLDPE

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 Triplex and Quadruplex Service Drop Cable, Aluminum

Description: Neutral-supported, 600 V, aluminum, cross-linked polyethylene (XLPE) insulated, multiplex cable.

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.

Matl. Std.: 6007.50

Stock Unit: FT



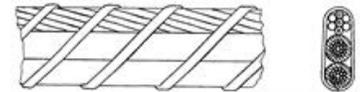
Stock Number	Phase Conductor Size, AWG/ kcmil	Neutral Conductor Size, AWG	Packaging	Code Name	Type
013271	#6	#6	coil (500')	Voluta-XLP	triplex
600672	#2	#4	reel	Cockle-XLP	triplex
600673	#2	#4	coil (400')	Cockle-XLP	triplex
600664	1/0	#2	reel	Janthina-XLP	triplex
012580	1/0	#2	coil (250')	Janthina-XLP	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 prelashd to bare neutral messenger.

Matl. Std.: 6006.2

Stock Unit: FT



Stock Number	Phase Conductor Size	Neutral Conductor Size
600612	4/0	1/0

Underground Aluminum Service Cable

600 V, Aluminum, Underground, Single Conductor 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.

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

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. Cable is packaged on wood reels. 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 Nos. 613732 and 613734 respectively, are for emergency replacement only. Do not use these sizes for new construction. Stock No. 613737 is being phased out to consolidate inventory. Use existing stock to depletion.



Matl. Std.: 6010.00

Stock Unit: FT

Stock No.	Size
613730	#2 AWG
613732	1/0 AWG
613733	2/0 AWG
613734	3/0 AWG
613735	4/0 AWG
613736	250 kcmil
613737	300 kcmil
613738	350 kcmil
613740	500 kcmil
613743	750 kcmil

600 V, Copper Streetlight Cable, 3-1/C

Description: Type XHHW (XLP), triplex. Cable is packaged on wood reels.

Matl. Std.: 6404.50

Stock Unit: FT



Stock No.	Size
640540	#8 AWG

600 V, Copper Streetlight Pole and Bracket, 3/C Jacketed Cable

Description: 600 V, copper, type XHHW, jacketed three-conductor cable. Cable is marked XHHW-2. Cable is packaged on wood reels. Sunlight and UV Resistant. Wires are color coded black, white, green. For use in streetlight systems in bracket arms and underground-fed poles between the streetlight handhole and luminaire.



Matl. Std.: 6404.45

Stock Unit: FT

Stock No.: 014072

BARE COPPER WIRE AND BRAID

WIRE, Bare, Solid

SCL Matl. Std.: 6102.2

Stock Unit: EA



Stock No.	Size (AWG)
610222 E	18
610218 E	14
610210	6
610208	4

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)	No. of Strands
610434	#2	7
610425	2/0	7
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)	No. of Strands
610300	500	37

BRAID, Tinned Copper, Flat

Application: For grounding cable and forming jumpers on submersible transformers.

SCL Matl. Std.: 6104.75

Stock Unit: FT



Stock No.	Width (in) x Thickness (in)	Circular mil Area	Approx. AWG Equivalent	No. of Strands x AWG/strand
618614	0.250 x 0.046	6,000	12	240 x #36
618625	0.625 x 0.046	13,200	9	528 x #36
618624	0.625 x 0.093	36,180	5	360 x #30
013491	1.375 x 0.120	105,600	1/0	1056 x #30
618615	1.750 x 0.130	124,800	2/0	1248 x #30

STOCK CATALOG**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

Thermoplastic Wire and Portable Cords

Wire, 600 V, Single-Conductor, Thermoplastic-Insulated, THWN-2

Description: 600 V, single conductor, thermoplastic insulated wire is for low voltage systems nominally rated up to 480 V phase to phase, 60 Hz. Wire is suitable for installation in ducts and in wet or dry locations at temperatures not to exceed 90 degrees C. This wire is also known as building or construction wire and should not be used for control or other critical circuits. Not suitable for direct burial.

Matl. Std.: 6122.35
Stock Unit: EA



Stock No.	Size (AWG)	Stranding	Jacket Color	
612215	14	Solid	Black	■
612217	"	"	White	■
612218	"	"	Green	■
014397	"	"	Red	■
014398	"	"	Orange	■
014399	"	"	Yellow	■
014400	"	"	Gray	■
612219	12	"	Gray with black	■
612220	"	"	Black	■
612221	"	"	Brown	■
612222	"	"	White	■
010382	"	"	White with black	■
612223	"	"	Gray	■
612224	"	"	Red	■
612225	"	"	Blue	■
612226	"	"	Green	■
612227	"	"	Yellow	■
612228	"	"	Orange	■
612229	"	"	Purple	■
612230	"	19 str	Black	■
612232	"	"	White	■
612233	"	"	Red	■
612234	"	"	Blue	■
612250	10	Solid	Black	■
612252	"	"	White	■
612254	"	"	Red	■
612255	"	"	Blue	■
612256	"	"	Green	■
612260	"	19 str	Black	■
612272	"	"	White	■
612274	"	"	Red	■
612275	"	"	Blue	■
612276	8	"	Black	■
612277	"	"	Green	■
612278	"	"	White	■
612279	"	"	Red	■
612280	"	"	Blue	■
612282	6	"	Black	■
612284	"	"	White	■
612286	"	"	Red	■
612287	"	"	Blue	■
612288	"	"	Green	■
612298	4	"	Black	■
612300	"	"	White	■
612302	"	"	Red	■
612304	"	"	Blue	■
612306	"	"	Green	■

Wire, 600 V, Thermoplastic Jacket, Copper

Description: Two-conductor with ground, thermoplastic insulation.

Matl. Std.: None

Stock Unit: FT

Stock No. Size (AWG)
 612605 12



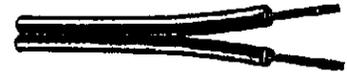
Wire, Zip Cord, 300 V, SPT-1

Description: Two-conductor, plastic insulated.

Matl. Std.: None

Stock Unit: FT

Stock No. Size (AWG) Strands
 615874 18 41



Wire, Portable Cord, Copper

Description: Flexible, multi-conductor, portable cord used for making extension cords or repairing small electric hand tools.

Voltage rating is typically used to denote hardness of service. Yellow, 600 V cord is for hard service and is good for making up highly visible extension cords. Black, 300 V cord is known as junior hard and is good for repairing hand tools.

Matl. Std.: 6158.2

Stock Unit: FT

Stock No.	No. of Conductors	Size (AWG)	Voltage	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.
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, 600 V, Tinned Copper, SRI



Description: #12 AWG, 65-strand, 150° C, SR-ML or SFF-2 for fire protection systems.
Matl. Std: None
Stock Unit: FT
Stock No. Color
 612500 White
 612501 Black
 612502 Blue
 612503 Red
 012183 Yellow

**Control Cable, 600 V,
 Multiconductor, Copper**



Description: XLP insulated, 19-strand.
Application: Used in a variety of applications inside substations. Suitable for use in AC or DC circuits, in wet or dry locations, for direct burial or in conduit.

Unless there are no other options, avoid specifying Stock Nos. 640443 and 640467.

Matl. Std: 6404.11
Stock Unit: FT

Stock No.	Size (AWG)	Number of Conductors	Common Application
640442	12	2	Control and DC supply circuits
640443	12	3	-
640444	12	4	PT circuits
640447	12	7	Control circuits
640449	12	9	Control circuits
640462	10	2	DC supply circuits
640464	10	4	CT circuits
640467	10	7	-
640469	10	9	Control circuits (long runs)

Bus Bar, Tubing and Plate

ALUMINUM

BUS, Aluminum, Integral Web Channel (IWCB), 8" x 8"

Description: Alloy 6101-T61, non-ventilated.

Application: Used exclusively in building vaults to construct secondary network buses. Rigidly mounted on insulators which are mounted on walls or ceilings to optimize space and clearance inside dedicated in-building electric utility vault rooms.

SCL Matl. Std.: 6308.08

Stock Unit: EA

Stock No.	Description
014352	12 ft IWCB Blank Section
630051	14.5 ft IWCB Blank Section
013878	17 ft IWCB Blank Section
014353	12 ft IWCB with Drilled Holes
014354	14.5 ft IWCB with Drilled Holes
014355	17 ft IWCB with Drilled Holes



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	
	Width	Length
630055	3/8	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**

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
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, 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, Preformed



Application: For ACSR or all aluminum conductors.

Per SCL Matl. Std.: 6591.8

Stock Unit: ST

Stock No.	For Conductor Code	Conductor Size	Dia (in)
659195	Chickadee	397.5	0.743
659197	Arbutus	795	1.026
659194	Mallard or Rail	795 954	1.140 1.165

SPLICE, Full Tension

SCL Matl. Std.: 6501.10

Stock Unit: EA



Stock No.	AWG or kcmil
650174	4/0 to 336.4 AL
650172	1/0 to 4/0 ACSR
650196	4/0 to 397.5 ACSR
650198	397.5 to 477 ACSR

SPLICE, Partial Tension

SCL Matl. Std.: 6501.10

Stock Unit: EA



Stock No.	AWG or kcmil
013530 E	1/0 to 4/0 ACSR
650138 E	4/0 to 477 ACSR or 500 ACC

SPLICE, Minimum Tension

SCL Matl. Std.: 6501.10

Stock Unit: EA



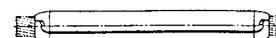
Stock No.	AWG or kcmil
650100 E	#10 Solid – 1/0 ACSR
650102 E	#8 Solid – 2/0 ACSR
650104 E	#4 Solid – 4/0 ACSR
650106 E	2/0 Stranded – 366.4 ACSR or 350 Stranded

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



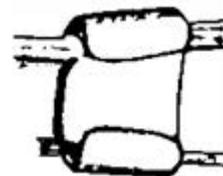
Stock No.	kcmil	Code Word	Strand- ing	Alcoa Cat. No.	Die
659859	795	Mallard	30/19	RS14	6014CD

Wedge Splices and Midspan Tap

Splice Wedge Pressure, Non-insulated

Description: 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.

Matl. Std.: None
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

Midspan Tap, Neutral

Description: Use with 5/8" x 4-1/2" bolt, lock washer and nut.

Matl. Std.: 6596.40
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

Description: For conductors energized 4 kV or higher; Al-Al, Al-Cu, or Cu-Cu; oil stop; tin-plated.

Matl. Std.: 6774.7

Stock Unit: EA



Tools and Dies

Stock No.	Conductor Size	MD-6	Y35/Y39
650631	#1 Str. and 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) ^a

a. Y46 tool

Splice, Reducing, Aluminum or Copper

Description: For splicing aluminum conductors to copper.

Matl. Std.: none

Stock Unit: EA



Tools and Dies

Stock No.	Aluminum (kcmil)	Cu (kcmil)	Catalog No.	Tools and Dies	
				Y35/Y39	Y46
650591	500	350	Burndy YRB34U31	U34ART (4)	—
650593	750	500	Burndy YR39A34CAY	—	P39ART (2)
			MacLean MAPR750-500-1.59	—	P39ART (2)

Splice, Aluminum or Copper

Description: Aluminum secondary compression splice

Stock Unit: EA

Matl. Std.: 6774.1



Tools and Dies

Stock No.	kcmil	Y35/Y39	Y46
650609	350	U34ART (4)	U31ART (4) ^a
650611	500	U34ART (2)	U31ART (4) ^a
650613	750 and 750CR	—	P39ART (2)
		U39ART (2)	—

a. With adapter

Connectors, Aluminum, Overhead Service Compression

SPLICE, Al or Cu, SERVICE ENTRANCE, Insulated

Description: Insulated aluminum compression connectors are also known as service entrance splices.

Application: Insulated compression connectors may be used for aluminum-to-aluminum and aluminum-to-copper connections. Insulated compression connectors are typically used for overhead service entrance connectors. Insulated compression connectors are prefilled with oxide inhibitor.



Tool	Kearny	Thomas & Betts	Thomas & Betts	Burndy	Burndy	Burndy
Die Code	5/8	TU	52	BG	W-BG	U-BG
No. of Crimps	3	3	1	3	1	1

Matl. Std: 6774.20

Stock Unit: EA

Stock No.	Conductor A			Conductor B			Color
	Solid	Stranded	Color	Solid	Stranded	Color	
650554 E	#4	–	Blue	#6	#8	Green	
014189 E	#4	–	Blue	#4	–	Blue	
650557 E	#2	–	Orange	#6	#8	Green	
650558 E	#2	–	Orange	#4	–	Blue	
650559 E	#2	–	Orange	#2	–	Orange	
650561 E	#1	#2	Red	#6	#8	Green	
650562 E	#1	#2	Red	#4	#5 & #6	Blue	
650563 E	#1	#2	Red	#2	#3 & #4	Orange	
650564 E	#1	#2	Yellow	#1	#1 & #2	Red	
650565 E	#1	1/0	Yellow	#1	#1 & #2	Red	
650567 E	#1	1/0	Yellow	#4	–	Blue	
650568 E	#1	1/0	Yellow	#2	–	Orange	
650569 E	#1	1/0	Yellow	–	1/0	Yellow	

Splice, ACSR Neutral

Description: For splicing overhead service neutral messengers. Neutral messenger connectors are also known as sleeves, neutral splices, or service entrance splicers.

Application: Neutral messenger compression connectors are designed for service drops and short span overhead distribution lines. These connectors are typically used to splice the ACSR or AAC neutral messengers of triplex and quadruplex service conductors. Neutral messenger compression connectors are prefilled with oxide inhibitor.



Tool	Kearny	Thomas & Betts	Thomas & Betts	Burndy
Die Code	5/8	TU	52	BG

Matl. Std.: 6774.30

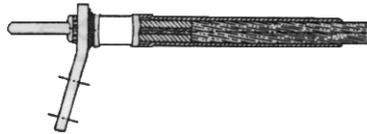
Stock Unit: EA

Stock No.	Wire Size	Color End Caps
014204	#6 – ACSR/Str	Blue
650501	#4 – ACSR/Str	Orange
650502	#2 – ACSR/Str	Red
650503	1/0 – ACSR/Str	Yellow

**CONNECTORS, TRANSMISSION DEADENDS & LUGS
 ACSR & AAC**

DEADEND, ACSR, SINGLE 15° TANG

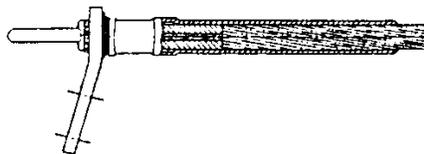
Transmission line connector
 Stock Unit: EA



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	Hen	30/7	TF11	6011CD
	795	Arbutus	37/0		
651222	795	Mallard	30/19	TF14	6014CD
651224	795	Drake	26/7	TF12	6012CD
	954	Goldenrod	61/0		
651229	954	Rail	45/7	TF13	6013CD

Connectors, Aluminum, Compression, H-Tap

Aluminum H-Tap Compression Connector

Description: Range taking, Aluminum H-Tap compression connector prefilled with oxide inhibitor; fold-in tab design. Compression connectors are for service drop, secondary or primary tap and grounding installations on all combinations of aluminum-to-aluminum, or aluminum-to-copper conductors. Connections are reversible. These connectors are not appropriate for making up copper-to-copper connections.



Matl. Std.: 6774.15

Stock Unit: EA

Stock No.	Main (AWG)	Tap (AWG)	Die
014320	#2-#6 ACSRa, #2-#6 Strb	#8-#14 Str	5/8, BG
014321	#2-#6 ACSR, #1-#6 Str	#2-#6 ACSR, #1-#6 Str	O
014322	1/0-#2 ACSR, 2/0-#2 Str	#2-#6 ACSR, #1-#6 Str	O
014323	2/0-1/0 ACSR, 4/0-3/0 Str	#2-#6 ACSR, #1-#6 Str	D, D3
014324	2/0-#1 ACSR, 4/0-2/0 Str	2/0-#1 ACSR, 3/0-1/0 Str	D, D3
014325	4/0-3/0 ACSR, 4/0 Str	#2-#6 ACSR, 1/0-#6 Str	D, D3
014326	4/0-3/0 ACSR, 4/0-3/0 Str	4/0-3/0 ACSR, 4/0-3/0 Str	D, D3
014384	4/0-3/0 ACSR, 4/0-3/0 Str	2/0-#1 ACSR, 2/0-#1 Str	D, D3

Connectors, Aluminum and OH Wedge Taps, Stirrups and Copper Hot Line Taps

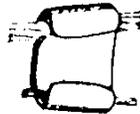
Wedge Taps, Al and Cu, Burndy and AMP

Description: A wedge tap provides an electrical connection between a primary conductor and a tap conductor. Joined conductors may be aluminum or copper, or both. Burndy wedge taps are installed using a Burndy Wejtap tool Note: AMP wedge taps are being phased out and replaced by Burndy wedge taps.

Application: A wedge tap can be used to construct a single-phase or three-phase overhead primary line jumper, or to connect a line switch to an underground termination pole.

Matl. Std.: 6774.31 (Burndy)

Stock Unit: EA



Stock No. (Burndy)	Conductor Range		Stock No. (AMP)
	Run	Tap	
013610	2/0 AWG	2/0 AWG	651090
013611	4/0 AWG	4/0 AWG	651091
013612	397.5 kcmil	#4 AWG	651092
013613	397.5 kcmil	2/0 AWG	651093
013614	397.5 kcmil	4/0 AWG	651094
013615	336.4 kcmil	336.4 kcmil	651095
013616	477 kcmil	500 kcmil	651096
013617	477 kcmil	2/0-4/0 AWG	651097
013618	4/0 AWG	#4 AWG	651099
013619	954 kcmil	397.5 kcmil	651100
013620	397.5 kcmil	397.5 kcmil	651101
013621	4/0 AWG	#1 to 1/0 AWG	651102
013622	#2 AWG	#2 AWG Cu	651105
013623	1/0 AWG	#2 AWG Cu	651106
013624	954 kcmil	795 and 954 kcmil	651107
013625	954 kcmil	795 to 954 kcmil	651108
013626	795 kcmil	795 kcmil AAC	651109
013627	954 kcmil	500 kcmil Cu	651113
013628 ^a	4/0 AWG	4/0 AWG	651116

a. For all Cu connector tower crossings.

Cartridge, Wedge Tap, Burndy

Application: Used to install and remove wedge taps.

Matl. Std.: 6774.31

Stock Unit: EA

Stock No.	Used with Tap Sizes	Shell Color	Burndy Catalog No.
013629	2/0 to 4/0	Blue	WPBBNBO
013630	To remove blue	Red	WPBRNBO
013631	336.4 to 477	Yellow	WPBYNBO

Cartridge, Wedge Tap, AMP

Application: Used to install and remove wedge taps.

Matl. Std.: None

Stock Unit: EA

Stock No.	Shell Color
750016	White

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.

Matl. Std.: None

Stock Unit: EA

Stock No.	Conductor Size	Manufacturer	Catalog No.
580678	336.4 to 954	Anderson	AHLS-954022-E-TB-XB

Clamp, Hot Line Tap, Cu

Matl. Std.: 5807.1

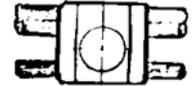
Stock Unit: EA

Stock No.	Conductor Range	
	Run	Tap
580725 E	#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

Description: Per NEMA SG1
Matl. Std.: None
Stock Unit: EA



Stock No.	Conductor Size		Manufacturer Catalog No.	
	Main	Tap	Burndy	Penn-Union
652020 E	#6 AWG to 1/0	#6 AWG to #2 AWG	UC25R2RS	PCA-010-BF

Clamp, Aerial Cable

Description: Malleable iron without coating. Fully threaded. Use with 5/8 in x 4-1/2 in bolt, lock washer and nut. Messenger diameter range .25-.56
Matl. Std.: None
Stock Unit: EA



Stock No.	Manufacturer Catalog No.	
	Hubbell	MacLean
581348	ASC2	MB-62

Tap, Parallel Groove, Two-Bolt

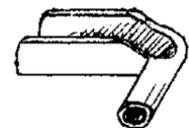
Description: Suitable for Al to Al and Al to Cu.
Matl. Std.: 6693.5
Stock Unit: EA



Stock No.	Conductor Size	
	Main	Tap
651132	4/0 to 336.4 kcmil ACSR	#6 AWG to 336.4 kcmil ACSR
651134	336.4 to 715.5 kcmil ACSR	3/0 to 715.5 kcmil ACSR

Tap, Closed

Tool: Anderson Versacrimp VC6 (2) (3)
Matl. Std.: 6501.1
Stock Unit: EA



Stock No.	Conductor Size	
	Main	Tap
650314	2/0 to 4/0	#4 AWG to 4/0

Continued on following page

Pigtail Adapter

Application: For connecting aluminum conductors to copper equipment terminals.
Matl. Std.: 6772.00
Stock Unit: EA



Tool and Die

Stock No.	Conductor Size	Tool and Die		
		MD-6	Y35-&39	Y46
686076	#8 AWG compressed	BG, 5/8	U-BG, U-5/8	-
686056	#1 AWG compressed or 1/0 solid	-	UK840	-
650578	350 kcmil compact or compressed	-	U31ART	-
650579	500 kcmil compact or compressed	-	U34ART	-
686075	750 kcmil compact	-	-	P39ART
010320	1000 kcmil compact or compressed	-	-	-

SEATTLE CITY LIGHT
STOCK CATALOG

STOCK CLASS: **65**
PAGE: **10**
DATE: February 5, 2004

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

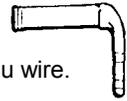
Per CL Matl. Std. 6774.8
Stock Unit: EA



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

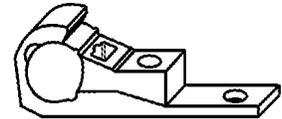


Stock No.	Wire Size	Tool and Die	Anderson Cat. No.
650267	4/0 to 477(18/1) ACSR 4/0 to 500 AAC 500 Cu	Anderson VC6	VAUL-500-12BN & TP-B

LUG, BOLTED, "Cytolok"®

Per CL Matl. Std. 6688.5
Stock Unit: EA

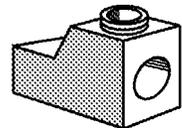
Stock Number	Wire Size AWG or kcmil
668822	1/0 to 2/0
668823	3/0 to 4/0
668825	350 to 400
668826	500 to 600



LUG, SINGLE HOLE, Set Screw

Tinned Aluminum
Stock Unit: EA

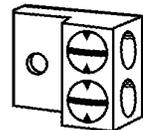
Stock Number	Wire Size AWG or kcmil	Stud Size	Mfr. & Cat. No.
651310	#6 to 250	21/64"	Iisco TA 250
651312	#4 to 600	3/8"	Iisco TA 600



LUG, TWO HOLE, Set Screw

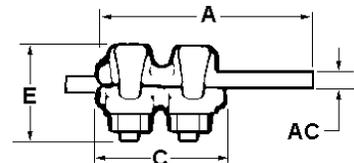
Tinned Aluminum
Stock Unit: EA

Stock Number	Wire Size AWG or kcmil	Stud Size	Mfr. & Cat. No.
651314	#14 to 1/0	17/64"	Iisco AU-0



LUG, Bolted

2 Hole pad.
For 795 & 954 ACSR
Torque to 40 Ft-Lbs.
Stock Unit: EA

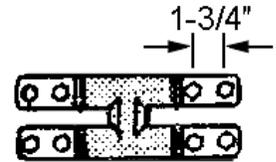


Stock No.	Dimensions, Inches				Alcoa Cat. No.
	A	C	E	AC	
651214	12.75	9.25	4.81	0.69	724B

Connectors, Low Voltage

Multiple Connector, Two-Way, 600 A

Description: Accepts copper or aluminum 4/0 to 1000 kcmil connectors.
 Includes bolts and washers.
Matl. Std.: None
Stock Unit: EA



Stock No.	Description	Homac	CMC/ESP
678750	4-position connector	FS22-175	UCD-22
678752	12-position connector	FS66-175	UCD-66

Connector, Underground, Multi-Tap, 600 V

Description: For direct bury, handhole, and pedestal applications. Used to construct services, power streetlighting, or provide network vault lighting.
Matl. Std.: 6780.46
Stock Unit: EA



Stock No.	Number of Positions	Conductor Range
013661	4	#12 AWG to 350 kcmil
013662	6	#12 AWG to 350 kcmil
013694	4	#10 AWG to 500 kcmil
013695	6	#10 AWG to 500 kcmil

Streetlight Splice, Submersible, 600 A

Description: Inline compression splice for streetlight applications.
Matl. Std.: None
Stock Unit: EA
Stock No. **Conductor Size** **Homac**
 678760 #6 AWG ULSK-6

Connector, Multiple-Port, Non-Submersible, 600 V

Description: 600 V, non-submersible multiple-port connectors for use in dry or damp locations inside pedestals, vaults, and handholes. Appropriate for copper or aluminum conductors.
 NOT rated for direct burial.
 Install connector using a 1/8-in Allen wrench and torque to 45 in-lb.

Matl. Std.: 6780.52
Stock Unit: EA



Stock No.	Description
014377	2-port connector
014378	4-port connector
014379	6-port connector

Connectors, 1000 A

Connectors, Multiple, Insulated Submersible, 1000 A

Description: For use in pedestal, vault, and handhole or direct-bury applications.

Matl. Std.: 6780.05

Stock Unit: EA



Stock No.	Description
678800	3-position connector without streetlight tap, small bolt terminals
678703	3-position connector without streetlight tap, large bolt terminals
678707	4-position connector with streetlight tap
678713	6-position connector with streetlight tap
678715	8-position connector with streetlight tap

Insulating Sleeve

Description: 10-1/2-in long EPDM sleeve for use with 1000 A multiple insulated submersible connectors.

Matl. Std.: 6780.05

Stock Unit: EA

Stock No.: 678620



Streetlight Tap Cover

Description: EPDM tap cover for use with 1000 A multiple insulated submersible connectors; 2-1/2 inches high.

Matl. Std.: 6780.05

Stock Unit: EA

Stock No.: 678663

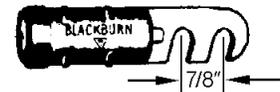


Terminal Lug, Standard Barrel Type

Description: Compression terminal lug with aluminum (Al – Cu) barrels; for connecting secondary cable together with multi-position, secondary connectors; submersible or overhead applications.

Matl. Std.: 6786.00

Stock Unit: EA



Stock No.:	Cable Size (AWG or kcmil)		Die	
	Str.	Comp.	MD6 Tool	Y-35 Tool
678695 E	#6	#6	WK-840(2)	UK-840(2)
678697 E	#4	#4	WK-840(2)	UK-840(2)
678692 E	#2	#2	WK-840(2)	UK-840(2)
678693 E	#1	#1	WK-840(2)	UK-840(2)
678694 E	1/0	1/0	WK-840(2)	UK-840(2)
678687 E	2/0	2/0	WK-840(2)	UK-840(2)
678696 E	3/0	3/0	WK-840(2)	UK-840(2)
678689 E	4/0	4/0	WK-840(2)	UK-840(2)
678698 E	250	400	–	U-655(2)
678699 E	300-350	350	–	U-655(2)
678700 E	400-500	500	–	U-655(2)

Terminal Lug, Extra Long Barrel

Description: Compression terminal lug with extended copper barrel for connecting #2 AWG, 7-strand, bare copper transformer ground to a submersible, insulated, multi-position, secondary connector. Designed to extend outside rubber boot to prevent ingress of moisture into connector from a stranded conductor.



Matl. Std.: 6786.00

Stock Unit: EA

Die

Stock No. MD6 Tool Y-35 Tool

012729 W-162(2) U-162(2)

Connectors, 2000 A

Connector, Multiple, Insulated Submersible, 2000 A

Description: For use in pedestal, vault, and handhole or direct-bury applications.

Matl. Std.: 6780.05

Stock Unit: EA



Stock No.	Description
678760	4-position connector
678761	6-position connector with streetlight tap
678763	8-position connector

Insulating Sleeve

Description: 13-in long EPDM sleeve for use with 2000 A multiple insulated submersible connectors.

Matl. Std.: 6780.20

Stock Unit: EA

Stock No.: 678630



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
677796 E	#10 Sol.	C	31-CJ
677802 E	#8 Sol.	J	53-XPT
677803 E	#6 Sol.	J	53-XPT
677804 E	#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. 6775.40

Stock Unit: Each



Stock No.	Wire Size - AWG or kcmil			
	Solid		Stranded	
	"A"	"B"	"A"	"B"
677532 E	6	6	8	8
677533 E	4	4	6	6
677535 E	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. 6775.40

Stock Unit: Each



Stock No.	Wire Size - AWG			
	Solid		Stranded	
	"A"	"B"	"A"	"B"
677556 E	4	6	6	8
677577	3/0	2/0	2/0	1/0
677581	---	4/0	4/0	3/0

SEATTLE CITY LIGHT
STOCK CATALOG

STOCK CLASS - PAGE: **65-17**
 SUPERSEDING: August 6, 2001
 EFFECTIVE DATE: June 11, 2018

Connectors, Copper Underground Straight Splices, Compression

SPLICE, COMPRESSION, TAPERED

For high voltage cable.
 C.L. Spec. 6774.6
 Stock Unit: EA

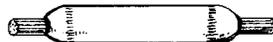


Stock No.	Conductor Size AWG or kcmil	Tool and Die	
		MD-6	Y35/39
677337	#1	-	U1CRT(2)
677338	1/0	W163(2)	U25CRT(2)
677340	3/0	W243(2)	U27CRT(2)
677341	4/0	W-BG(2)	U28CRT(2)
677343	300	-	U30CRT(2)
677345	350	-	U31CRT(2)
677347	500	-	U34CRT(2)
677348	600	-	U36CRT(2)
677349	750	-	⊠ P39CRT(2)
677351	1000	-	⊠ S44RT(2)

⊠ Use Y46 Tool

SPLICE, COMPRESSION, TAPERED OIL STOP

With oil-stop barrier.
 C.L. Spec. 6774.05
 Stock Unit: EA



Stock No.	Conductor Size AWG or kcmil	Tool and Die	
		MD-6	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	Y35/39
677354 E	#6	-	U5CRT(2)
677355 E	#4	W161(2)	U4CRT(2)
677357 E	#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	Somerset 99H

(also shown on page 70-19)

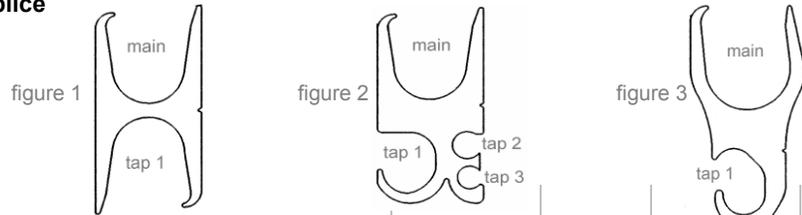
STOCK CATALOG

superseding: October 1, 2010
effective date: January 16, 2018

COPPER UNDERGROUND "Y" SPLICES AND REDUCERS, COPPER LUGS, COMPRESSION

SPLICE TAP, for Heat Shrink "Y" Splice

SCL Matl. Std.: none
Stock Unit: EA



Stock No.	Figure	Conductor Size - AWG or kcmil				Tool Y46 Die	Color Code	Burndy Cat. No.	Use with Raychem Splice Stock No.
		Main	Tap 1	Tap 2	Tap 3				
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"

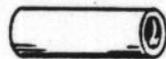
Application: for splicing 13-kV cable
SCL Matl. Std.: 6775.10
Stock Unit: EA



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

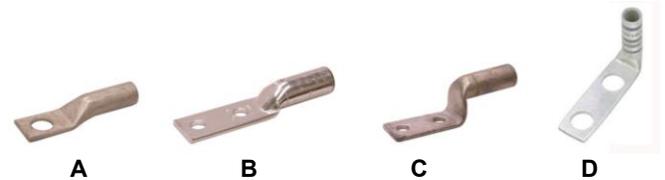
SCL Matl. Std.: 6774.4
Stock Unit: EA



Stock No.	Size		Length, in
	From	To	
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.: 6770.70



Stock Unit: EA

Stock No.	Conductor, AWG/kcmil	Bolt Size (in)	Tool and Die		Figure
			MD6	Y35/Y39	
677065 E	#6	1/4	-	U5CRT	A
677069 E	#4	1/2	W161	U4CRT	B
677071 E	#2	1/2	W162	U2CRT	A
677072 E	#2	3/8	-	U2CRT	A
677075 E	1/0	1/2	W163	U25CRT	A
677077 E	2/0	1/2	W241	U26CRT	A
677079 E	3/0	1/2	W243	U27CRT	A
677081 E	4/0	1/2	W-BG	U28CRT	B
677083 E	250	1/2	W166	U29CRT	B
677085 E	300	1/2	-	U30CRT	B
677087 E	350	1/2	W-0	U31CRT	B
677091 E	500	1/2	-	U34CRT	B
677291 E	500±	1/2	-	U34CRT	C
677096	600	1/2	-	U36CRT	B
677100	750	1/2	-	P39CRT	B
677110	1000	1/2	-	P44CRT	B
014356	500	1/2	-	U34CRT	D

¥ use Y46 tool

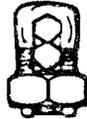
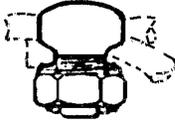
CONNECTORS, COPPER, BOLTED

SPLIT BOLT TAP, Parallel Type

SCL Matl. Std.: 6688.7

Stock Unit: EA

Stock No.	Max. Conductor Size, AWG	
	Solid	Stranded
668860 E	#10	#12
668861 E	#8	#8
668862 E	#6	#7
668864 E	#4	#5
668867 E	#1	#2

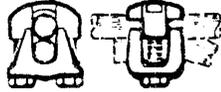


TWO BOLT TAP, Parallel Type

SCL Matl. Std.: 6693.7

Stock Unit: EA

Stock No.	Conductor Range, AWG or kcmil			
	Run		Tap	
	Min.	Max.	Min.	Max.
669379 E	#2 str	#2/0 str	#10 str	#2/0 str
669380 E	#1/0 str	#4/0 str	#10 str	#4/0 str
669381 E	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



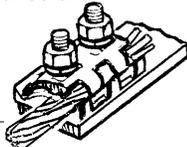
PADMOUNT CONNECTOR, Primary Termination

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



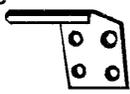
TRANSFORMER CONNECTOR, Multiple Tie

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		Figure
	Minimum	Maximum	
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	-	-

WISE JAW CONNECTOR, Bronze

SCL Matl. Std.: 6693.80

Stock Unit: EA

Stock No.	Conductor Size, AWG or kcmil
012173 E	#4
012171 E	#2 stranded
012169 E	#2/0 stranded
012170 E	#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

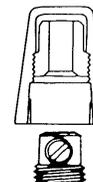


Stock No.	Cable Range	
	Min.	Max.
668810	2/0	4/0
668811	4/0	300
668812	300	500
668813	500	750

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
669138 E	#10 Str.
669140 E	#4 Str.
669141 E	#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



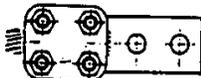
Stock No.	Wire Combination Range	Approved Manufacturers	
		Ideal Wing-Nut	3M Scotchlok 2
677180	2 #18 to 3 #12	451 (Yellow)	—
677181	2 #14 to 5 #12	452 (Red)	R/Y (Red/Yellow)
677182	3 #12 to 2 #8	454 (Blue)	B/G (Blue/Gray)

CONNECTORS, COPPER SUBSTATION – BOLTED

TERMINAL, CABLE or IPS to FLAT

Per City Light Matl. Std. 6677.1
 Stock Unit: EA

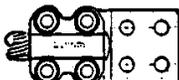
Stock No.	Conductor Size	
	Cable	IPS
667786	#2 solid to 800	1/4" to 3/4"



TERMINAL, Tubing to FLAT, IPS Type

Per City Light Matl. Std. 6677.1
 Stock Unit: EA

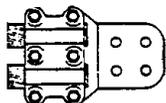
Stock No.	IPS	No. of Pad Holes
661241	1-1/4"	4
661244	1-1/2"	4



TERMINAL, FLAT to 2 CABLES

Transmission line connector
 Stock Unit: EA

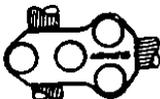
Stock No.	Cable Size	No. of Pad Holes	Homac Cat. No.
661252	#4 to 600	4	7MM1-60-4N



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

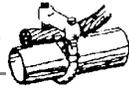


Connectors - Grounding

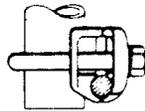
All Stock Units: EA

CABLE TO IPS OR ROD**Description:** One or more conductors, bolted type.
SCL Matl. Std.: 6762.7

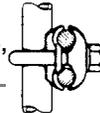
Stock No.	IPS, in	Cable Size Range, AWG/kcmil
676389	2	2/0 sol. to 250
676392	2-1/2	#4 sol. to 2/0 str
676393	2-1/2	2/0 sol. to 250
676398	3	2/0 sol. to 250
676410	4	2/0 sol. to 250

**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 st.

**TWO CABLES TO PIPE, ROD, OR CONDUIT****Description:** Parallel or 90 degrees, bolted type.
SCL Matl. Std.: 6762.7

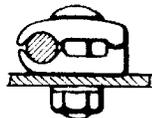
Stock No.	Rod or Pipe, in.	Cable Size Range, AWG
676551	5/8 to 3/4 rod	#4 sol. to 2/0 str

**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

**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

**CROSSED CABLES****Application:** For crossing grounding conductors.
SCL Matl. Std.: none

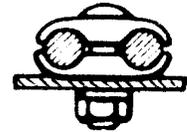
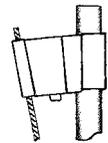
Stock No.	Cable Size, AWG/kcmil		Approved Manufacturers	
	Run A	Run B	Burndy	Anderson
676644	#4 sol. to 2/0	#4 sol. to 2/0	GX2626	GC-113-AA
676647	2/0 to 250	2/0 to 250	GX2929	GC-113-BB

GROUND TO GRID**Description:** Wedge pressure type, wrench driven.
Application: Used in substations.
SCL Matl. Std.: none

Stock No.	Cable Size, AWG/kcmil		AMP, "Wrench-Lok"
	Run A	Run B	
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

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**OVERHEAD TRANSFORMER GROUNDING CLAMP****Description:** Connects transformer tanks to ground conductors.**Application:** Overhead transformer ground clamps are used to replace damaged ground clamps on units returned from the field.**SCL Matl. Std.:** 6762.10**Stock unit:** EA

Stock No.	Stud Size, in.	Wire Size, AWG
676200	1/2" x 13 NC	#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.
012564 E	1/4	#14 str. to #6 str	Burndy KA6U

Connectors, Grounding**Ground Rod Clamp, 5/8-in**

Description: All-stainless steel clamp to connect a ground lead conductor to a 1/2-in to 5/8-in diameter ground rod or #4 rebar.

Matl. Std.: 6762.15

Stock Unit: EA

Stock No.: 564012

**Ground Rod Clamp, 3/4-in**

Description: Bronze alloy clamp to connect a ground lead conductor to a 3/4-in diameter ground rod or #4 rebar.

Matl. Std.: 6762.20

Stock Unit: EA

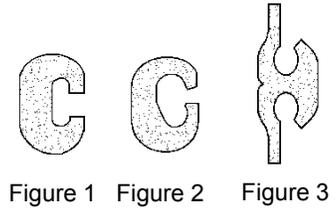
Stock No.: 013283



Connectors: Copper – Compression and Wedge “C,” Barrier, Grounding Wedge and “T”

Tap, Compression, Parallel Type

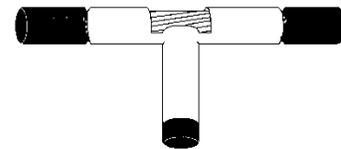
Matl. Std.: 6773.5
 Stock Unit: EA



Stock No.	Fig.	Cable Size, AWG or kcmil		Tool and Die		
		Run	Tap	MD-6	Y35/39	T&B
677323 E	1	#4	#4	W-BG (2)	U-BG (1)	T&B dies fit
677325 E	2	#2	#4	W-C (2)	U-C (1)	Y-39
677326 E	1	#2	#2	W-C (2)	U-C (1)	-
677329 E	1	1/0-2/0	1/0-2/0	-	U-O (1)	-
677330 E	3	2/0-4/0	#4	-	U-D3 (1)	-
677331 E	3	2/0-4/0	2/0-1/0	-	U-D3 (1)	-
677332 E	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

Matl. Std.: None
 Stock Unit: EA



Stock No.	Cable Size, AWG or kcmil		Y35/39 Die	Manufacturer and Catalog No.
	Run	Tap		
679648	500	4/0 Stranded	U34CRT or U28CRT	Dossert CST 50-21 Frankel TES-50-4/0R

Tap, Compression, Parallel Type, Thin-Wall

Matl. Std.: 6773.61
 Stock Unit: EA
 Application: Intended for streetlight handhold connections.



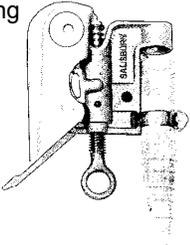
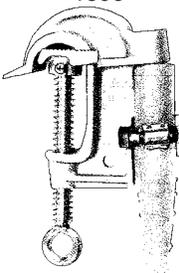
Stock No.	Cable Size, AWG or kcmil		Color Code	Tool and Die	
	Run	Tap		MD-6	Y35/39
13633E	#2	#12-#6	Pink	W25VT (2)	UC2 (1)
13634E	#6	#8-#6	Brown	W2CVT (2)	UC4 (1)
13635E	#6	#12-#10	Gray	W4CVT (1)	-

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.	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	650225	BALL STUD, copper alloy, offset, NEMA pad. Stock Unit: EA	21228
					
650215	BALL STUD, SHORT, Copper Alloy Stock Unit: EA	21191	650230	COVER, copper alloy, for ball stud. Stock Unit: EA	21236
					
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	650235	FERRULE, copper, for 2/0 grounding cable, 5/8-11 threaded stud Stock Unit: PR	2024
					
650205	CLAMP, GROUNDING, aluminum, "Duck Bill", spring loaded, use with 650245 and 615500. Stock Unit: EA	1853	650240	FERRULE, copper, for 4/0 grounding cable, 5/8-11 threaded stud. Stock Unit: PR	2025
					
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	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
					

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, NON-INSULATED 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 Number	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

BUTT SPLICES, Standard Duty



Stock Number	Wire Size Range, AWG
677390	#22 - #18
677391	#16 - #14
677425	#12 - #10

RING TERMINALS, Heavy Duty



Stock Number	Wire Size Range, AWG	Stud Size, Stud #/in
677169	#12-#9	#12-#10
013515	#12-#10	#10
677189	#12-#10	1/2
677187	#6	1/2
677193	#4	5/8
677188	#2	5/8

Exothermic Connection System

Exothermic Connection System

Description: Exothermic connection system consisting of weld metal, molds, tools, and accessories

Application: Used to form permanent, low resistance; highly reliable, welded electrical connections that may be direct buried or embedded in concrete. The term exothermic means the process gives off heat.

Exothermic connection systems are commonly used to construct power station ground mats where it is not practical to inspect connections or easily repair failing connections.

Exothermic connection systems have long been referred to as Cadweld®; however Cadweld® is just one manufacturer of many of such systems. Individual components between suppliers may or may not be interchangeable.

Molds are available in a wide variety of configurations for a wide variety of applications. Butt splice molds are used to create water blocks in stranded ground cables entering vaults. One mold should last about 50 connections, after which it should be replaced.

The battery-powered ignition tool is designed to make 600 connections on one set of eight standard AA batteries.

Reusable items may be obtained from the warehouse General Section or possibly the Tool Room. Refer to SCL 6762.90 or SCL 0468.90 for installations instructions and other useful information available at the manufacturer's website.

For copper conductor only.

Matl. Std.: 6762.90
Issuance: EA

Stock No. Description

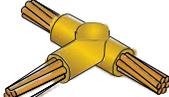
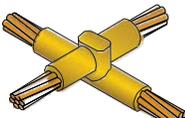
013335 Electronic Control Unit (ignition tool) with 6-ft lead

Mold		Clamp Handle	Weld Shot		
Stock No.	Description	Stock No.	Stock No.	Marking	Color Code
013557	4/0 stranded wire butt splice 	013336	013560	90PLUSF20	 Gray
013339	250 kcmil wire butt splice 	013336	013338	115PLUSF20	 Orange
013401	500 kcmil wire butt splice 	013336	013399	200PLUSF20	 Yellow
013402	250 kcmil wire to 5/8-in ground rod 	013336	013398	150PLUSF20	 Dk Blue
013403	500 kcmil wire to 5/8-in ground rod 	013397	013400	400PLUSF20	 Brown

Continued on following page

Seattle City Light
STOCK CATALOG

Stock Class - Page: **65-90**
 Superseding: July 23, 2014
 Effective Date: September 10, 2014

Stock No.	Description	Mold	Clamp Handle Stock No.	Weld Shot		Color Code
				Stock No.	Marking	
013441	250 kcmil wire to 3/4-in ground rod		013336	013399	200PLUSF20	 Yellow
013442	500 kcmil wire to 3/4-in ground rod		013397	013440	500PLUSF20	 Lt Brown
013558	4/0 stranded wire, all way, horizontal Tee connection		013336	013398	150PLUSF20	 Dk Blue
013559	4/0 stranded wire, all way, lapped, horizontal X connection		013336	013561	250PLUSF20	 Purple
013580	#2 AWG stranded wire to 5/8-in ground rod		013336	013560	90PLUSF20	 Gray
013581	#4 AWG solid wire to 5/8-in ground rod		013336	013560	90PLUSF20	 Gray
013585	2/0 stranded wire to 5/8-in ground rod		013336	013560	90PLUSF20	 Gray

Arresters

ARRESTERS, Surge, Metal-Oxide

Description: Metal-oxide, surge arresters.

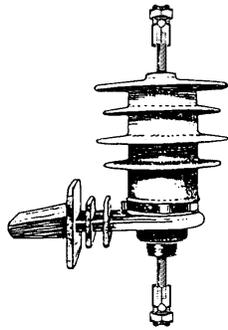
Application: For use on the distribution system at termination points to protect primary cable from voltage surges.

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 Standards are revised.

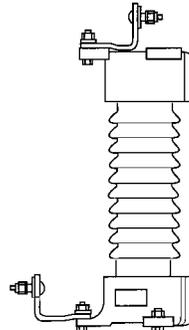
Stock Unit: EA



680002



680115



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
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

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



Cutouts, Fuseholders, and Cutout Doors

27 kV Cutout, Open Type, Polymer

Description: 27 kV polymer cutouts provide overcurrent protection for the SCL 26.4 kV primary distribution circuits and visible indication of fuse operation.

Matl. Std.: 6820.95

Stock Unit: EA



Stock No.	Description
013739	Cutout with fuseholder tube
682297	Replacement fuseholder tube
682278	Disconnect blade, 300 A

Cutout, Overhead, Pole Top, 38 kV, 200 A, Type SMD-20

Description: 38 kV overhead pole-top style SMD-20 fuse cutout mounting bracket and hardware. For replacement only.

Matl. Std.: None

Stock Unit: EA



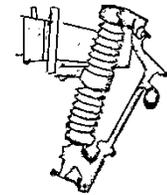
Stock No.	Description	Manufacturer Catalog No.
684358	Pole top cutout	S&C 92544R3

Cutout, Overhead, Pole Top, 200 A, Type SMD-20

Description: 27 kV overhead pole-top style SMD-20 fuse cutout mounting bracket and hardware with parallel groove connectors. For replacement only.

Matl. Std.: None

Stock Unit: EA



Stock No.	Description	For Use With	S&C Catalog No.
682580	Mounting and end fittings	SMU-20 E & K fuses	92123R3-D
682587	Replacement end fittings OH	682580 cutout	3095

Box, Fuse Storage

Description: PVC. For storing SMD-20 fuses on a pole. Made per SCL drawing A3900.

Matl. Std.: None

Stock Unit: EA



Stock No.	Description
580415	PVC fuse storage box, 4" diameter, 24" length

Mounting Assembly, Upper and Lower End Fittings, SMU-20, 27 kV

Description: Replacement end fittings for type E, K, and X fuses in padmount PMH switchgear.
Matl. Std.: 4507.95
Stock Unit: EA



Stock No.	Description	S&C Catalog No.
682585	Replacement end fittings and silencer, padmount	3097

Mounting Assembly, Upper and Lower End Fittings, SMD-20, 38 kV

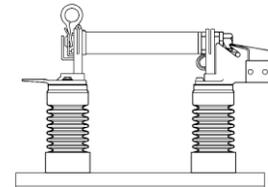
Description: End fitting for mounting type Q current-limiting fuses in S&C-type SMD-20, 38 kV cutouts.
Matl. Std.: None
Stock Unit: EA



Stock No.	Description	Kearney Catalog No.
684359	Upper and lower end fittings for type Q fuses.	328130

Mounting Assembly and Holder , SM-5

Description: Disconnect style for 250E and 300E fuses. For 26 kV and heavy industrial substations.
Matl. Std.: 6828.1
Stock Unit: EA

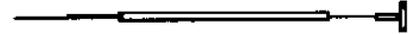


Stock No.	Description	Style	For Use With	Style
682847	Mounting	Inverted	682415	Inverted
682415	Holder	Inverted	682847	Inverted
682871	Mounting	Vertical	682403	Vertical
682403	Holder	Vertical	682871	Vertical

Fuses and Fuse Links, High Voltage (Primary)

Fuse Link, Type K

Description: Universal, removable buttonhead type for use in enclosed cutouts in overhead, 4, 15.5 & 27 kV applications.



Matl. Std.: 6837.10
Stock Unit: EA

Stock No.	Type	Continuous Current Rating (A)	Element
683706 E	3T	3	Tin
683708 E	6K	6	Silver
683710 E	10K	10	Silver
683711 E	15K	15	Silver
683713 E	25K	25	Silver
683715 E	40K	40	Silver
683717 E	50K	50	Silver
683718 E	65K	65	Silver
683724 E	100K	100	Silver

Fuse, Type K, 27 kV

Description: Fits SMD-20 overhead cutout (Stock No. 682580) with end fittings (Stock No. 682587), both 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.

Matl. Std.: None
Stock Unit: EA

Stock No.	Type	Continuous Current Rating (A)	Approved Manufacturers	
			Cooper CMU-20	S&C SMU-20
684751	25K	25	CMU703025	703025
684756	50K	50	CMU703050	703050
684757	65K	65	CMU703065	703065
684758	100K	100	CMU703100	703100

Fuse, Current-Limiting, Full-Range, Type Q

Description: For general purpose, 27 kV applications. For use with pole top cutout and end fitting Stock Nos. 684358 and 684359.

Matl. Std.: None
Stock Unit: EA

Stock No.	Type	Continuous Current Rating (A)	Kearney Catalog No.
684913	65Q	65	153027-065

Fuse, Indicating, Positect

Description: For S&C Positect cutout, formerly Stock No. 682160.

Matl. Std.: None
Stock Unit: EA

Stock No.	Type	S&C Catalog No.
683739	50U	650050

Fuse, Current-Limiting, Full Range, Type X

Description: For use in 15.5 kV padmount switchgear. Designed to fit S&C SMU-20 fuse holders.
Matl. Std.: 6840.10
Stock Unit: EA



Stock No.	Description	Continuous Current Rating (A)
014332	Type 25X	25
014331	Type 40X	40
014330	Type 65X	65
685011	Locknut	-

Fuse, Power, Type SE

Description: For 27 kV industrial and unit substation applications. For use with SMD-20 mounting assembly Stock No. 682580.
 S&C time current curves are TCC 119-2 and 119-2-4 except for Stock No. 684721 (PT fuse for pole mount primary metering) which are TCC 115-2 and 115 2-4.
 Cooper time-current curves are R240-91-151 and -157.
Matl. Std.: None
Stock Unit: EA



Stock No.	Type	Continuous Current Rating (A)	Approved Manufacturers	
			Cooper CMU-20	S&C SMU-20
684721	1SE	1	-	703001
684727	15SE	15	CMU713015	713015
684729	30SE	30	CMU713030	713030
684731	50SE	50	CMU713050	713050

Fuse, for Bay-O-Net Style Fuse Holders

Description: For use with pad-mounted, single-phase and three-phase transformers; and submersible-type single-phase transformers.
Matl. Std.: None
Stock Unit: EA

Stock No.	Volts	Continuous Current Rating (A)	Transformer kVA	Cooper Power Catalog No.
685105	2400	50	25	4000358C12B
685106	2400	65	50	4000358C14B
685101	14,750	08	25	4000358C05B
685102	14,750	15	50, 75 & 100	4000358C08B
685103	14,750	25	167	4000358C10B

Fuses, 15.5 kV, Back-Up Fault Current-Limiting, and Connectors

Back-Up Fault Current Limiting Fuse, Type K, Single-Phase and Three-Phase

Description: 15.5 kV back-up fault current-limiting Type K fuse. Connected in series with an open-type polymer cutout that contains a fuse link.

Matl. Std.: 6840.20
Stock Unit: EA



Stock No.	Description
684900	Fuse, back up fault current limiting, Type 12K
684902	Fuse, back up fault current limiting, Type 25K
684905	Fuse, back up fault current limiting, Type 50K
684907	Fuse, back up fault current limiting, Type 65K

Back-Up Fault Current Limiting Fuse, Type K, Single-Phase Only

Description: 15.5 kV back-up fault current-limiting Type K fuse. Connected in series with an open-type polymer cutout that contains a fuse link.

Matl. Std.: None
Stock Unit: EA



Stock No.	Description
684920	Fuse, back up fault current limiting, Type 12K

Connector Bar, 2/0 Copper

Description: For back-up fault limiting fuse installation to offset fault limiters from fused cutouts.



684910



684912

Matl. Std.:	6849.1
Stock Unit:	EA
Stock No.	Description
684910 E	Standard connector bar (for use with Stock Nos. 684900, 684902, and 684920 fuses)
684912	Reinforced connector bar (for use with Stock Nos. 684905 and 684920 fuses)

Parallel Groove Connector Assembly

Description: Parallel groove connector assembly, #6 AWG solid copper through 250 kcmil stranded copper, aluminum, or #4/C ACSR. For use with A, B, and C limiters.

Matl. Std.: None
Stock Unit: EA



Stock No.	Description	Burndy Catalog No.
684925	Parallel Groove Connector Assembly	K-7595 or K-7265

Fuses, Network Protector

Y-Type Fuses

Description: Silver-plated copper; for network protectors with two bolt-fuse mountings.
Matl. Std.: None. See NTP-80 for use.
Stock Unit: EA



Stock No.	Fuse Style	Mfr Rated Amperes	Burndy	Eaton	Richards
683471	Y-25	1875	Y-25	8313A25H12	NPF-25-L

Z-Type Fuses

Description: Pure copper.
Matl. Std.: None. See NTP-80 for use.
Stock Unit: EA



Stock No.	Fuse Style	Mfr Rated Amperes	Eaton	Richards
013857	Z-25	1875	8313A25H04	NPF-25-Q (1333 FLA)
683472	Z-37.5	2500	8313A25H08	NPF-37.5-Q (2000 FLA)

Lead Alloy Fuses

Description: Laminated type, standard speed for use in 480Y / 277 V NPs.
Matl. Std.: None. See NTP-80 for use.
Stock Unit: EA



Stock No.	Mfr Rated Amperes	Manufacturer Catalog No.	
		Eaton	Richards
683480	800	1254872	312-3251-00
683481	1200	1300550	312-3252-00

Silver Sand Fuses

Description: Silver sand current-limiting fuses for use with Eaton 480Y / 277 V network protectors.
Matl. Std.: 4384.80. See NTP-80 for use.
Stock Unit: EA



Stock No.	Mfr Rated Amperes	Eaton Catalog No.
014085	1875	140D318G01
014086	2825	140D318G02
014087	3500	140D318G08
014088	4500	5982C64G02

CABLE LIMITERS, 600 VOLT AND BELOW

LIMITER, Al Cable to Al Cable, 600 V

SCL Matl. Std.: 6836.6

Stock Unit: EA

typical



Tool

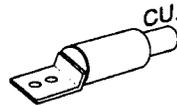
Stock No.	Cable Size AWG or kcmil	Y35/39	Y46
683615	4/0	U28ART	-
683616	350	U28ART	-
683617	500	U28ART	-
683618	750	-	P39ART

LIMITER, Cu Cable to Bus Bar, 600 V

SCL Matl. Std.: 6836.2

Stock Unit: EA

typical



Tool

Stock No.	AWG or kcmil	Y35/39	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



Tool

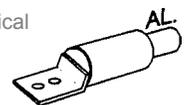
Stock No.	Cable Size AWG or kcmil	Y35/39	Y46
683641	4	U4CRT	-
683643	2	U2CRT	-
683646	2/0	U26RT	-
683647	3/0	U27RT	-
683648	4/0	U28RT	-
683649	250	U29RT	-
683650	350	U31RT	-
683651	500	U34RT	-
683652	750	-	P39RT

LIMITER, Al Cable to Cu Bus Bar, 600 V

SCL Matl. Std.: 6836.50

Stock Unit: EA

typical



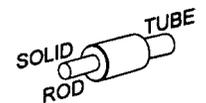
Tool

Stock No.	AWG or kcmil	Y35/39	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

Padmount PMH Switchgear Parts and Accessories

Padmount PMH Switchgear Parts and Accessories

Description: 27 kV padmount PMH switchgear parts and accessories are interchangeable between various PMH switchgear styles. See SCL 1167.21 for a parts cross-reference. See SCL 4507.95 for detailed information on replacement parts.

Matl. Std.: 4507.95
Stock Unit: EA



Stock No.	Description
013309	Switch Dual Purpose Barrier
013311	Lower Switch Barrier Assembly (Post-2005)
014280	Lower Switch Barrier Assembly (Pre-2005)
013310	Lower Switch Barrier Assembly (Post-2005)
014281	Lower Switch Barrier Assembly (Pre-2005)
013312	Lower Switch End Barrier Assembly (Post-2005)
014282	Lower Switch End Barrier Assembly
014283	Upper Switch End Barrier Assembly
014284	Upper Switch End Barrier Assembly
014285	Upper Switch Interphase Barrier Assembly
014286	Upper Switch Interphase Barrier Assembly
014287	Switch Back Barrier Assembly
014291	Switch Barrier Guide
013263	Barrier Guide
014293	Indoor Insulator 25 kV 125 kV BIL
013267	Fuse Dual Purpose Barrier
013268	Fuse Stiling Barrier Assembly
013264	Fuse Interphase Barrier Assembly
013265	Fuse End Barrier Assembly
013266	Fuse End Barrier Assembly
014289	Fuse Back Barrier
661255	Cable Connector Assembly
014288	Switch Back Barrier Assembly
014290	Fuse Back Barrier
259100	Fault Fiter Holder Assembly
259413	Electronic Control Module, 5 MVA Transformer
259423	Electronic Control Module, 7.5 MVA Transformer
259426	Electronic Control Module, 10 MVA Transformer
012682	Electronic Control Module, 15 MVA Transformer
259500	Interrupting Module
682585	Replacement End Fittings and Silencer
250163	Motor Operator Kit
013664	Charger
010259	ZSD Relay
014299	12 V dc Battery for PMH-5

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 Number	Current Rating, A	Diameter, In	Length, In
683171	10	13/32	1-5/16
683172	15	13/32	1-5/16
683165	35	13/32	2-1/4
683163	50	13/32	2-1/4

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, with Pin Indication, 125 V****Description:** 5A current rating.**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 A.

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.

Matl. Std: 6855.40**Stock Unit:** EA**Stock No.** 683120**Fast-Acting Fuse, Current Limiting, 600 V****Description:** 40 A current rating.**Application:** Fast-acting fuses may be used only where proper protection is already being provided by a branch circuit device.

Fast-acting fuses 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 ac short-circuit current does not exceed 10,000 A ac. This value is significantly less for dc circuits.

Fast-acting fuses are appropriate for lighting, control, and meter circuits.

Fast-acting fuses are not appropriate for protecting motors or motor circuits.

Fuses measuring 13/32 x 1-1/2 inches are also known as midget fuses.

Matl. Std: 6855.50**Stock Unit:** EA**Stock No.** 683162

Fast-Acting Fuse, Rejection Type, 600 V

Description: See Material Standard.

Application: Rejection-type, fast-acting fuses may be used only where proper protection is already being provided by a branch circuit device.

Rejection-type fuses provide supplementary protection on branch circuits so that the branch circuit fuse is not disturbed in downstream, overcurrent situations.

Rejection-type fuses may be used only where the available ac short-circuit current does not exceed 200,000 A ac. This value is less for dc circuits.

Rejection-type fuses are appropriate for lighting, control, and meter circuits. Fast-acting fuses are not appropriate for protecting motors or motor circuits. Rejection-type fuses are compatible with both standard and rejection-type holders.

When installed in a rejection-type fuse holder, rejection-type fuses prevent the replacement of fuses rated lower than 600 V.



Matl. Std: 6855.55

Stock Unit: EA

Stock No. Current Rating (A)

013509	3
013510	5
013511	10
013512	15
013513	20
013514	30

Fuses, 600-Volt and Below

Fast-Acting Fuse, Rejection-Type, Current Limiting, 600-Volt

Description: 600-volt, fast-acting fuse, rejection-type, current-limiting, with cartridge measuring 12/32 inches in diameter and 1-1/2 inches in length.

Application: Rejection-type, fast-acting fuses may be used only where proper protection is already being provided by a branch circuit device.

Rejection-type fuses provide supplementary protection on branch circuits so that the branch circuit fuse is not disturbed in downstream, overcurrent situations. These fuses may be used only where the available short-circuit current does not exceed 100,000 amperes. Appropriate for lighting, control, and meter circuits and compatible with both standard and rejection-type holders.

Note: fast-acting fuses are **not** appropriate for protecting motors or motor circuits.

When installed in a rejection-type fuse holder, rejection-type fuses prevent the replacement of fuses rated lower than 600 V.

Matl. Std.: 6855.55

Issuance: EA

Stock No.	Current Rating (A)
013509	3
013510	5
013511	10
013512	15
013513	20
013514	30



Fuse Holders, 600 V and Below

IN-LINE FUSE HOLDER, Water-Resistant, and Insulating Boots

Description: In-line fuse holders may be used in dry or wet locations. In wet locations, use rubber insulating boots, Stock No. 682360, to provide added protection against dirt and water. When called for, two boots are required per in-line holder.

Recommended coupling nut torque is 10 to 20 in-lb.

Stock No. 682366, is a breakaway version which includes a set of rubber insulating boots; all other Stock Nos. are non-breakaway and absent boots.

Stock Nos. 682346, 682349, 682350, 682351, 682353, and 682366 are used with the "midget" fuses cited in Material Standards 6855.35 and 6855.50.

Stock No. 682370, is used with the 480 V fuses, Stock Nos. 683171 and 683172, cited in Material Standard 6855.25.

Stock Nos. 682335, 682352, and 012603 are used with the 480 V fuses, Stock Nos. 683165 and 683163, cited in Material Standard 6855.25.

SCL Matl. Std.: 6857.05

Stock Unit: EA



Stock No.	Voltage Rating (V)	Current Rating, Maximum (A)	For Fuses Measuring Diameter x Length (in)	Loadside Terminal	Lineside Terminal
682370	600	15	13/32 x 1-5/16	#12 to #8, Cu crimp	#12 to #8, Cu crimp
682346	600	30	13/32 x 1-1/2	#12 to #8, Cu crimp	#12 to #8, Cu crimp
682349	600	30	13/32 x 1-1/2	#12 to #3, Cu setscrew	#12 to #3, Cu setscrew
682350	600	30	13/32 x 1-1/2	#12 to #8, Cu crimp	#6, Cu crimp
682351	600	30	13/32 x 1-1/2	#12 to #2, Al setscrew	#12 to #2, Al setscrew
682353	600	30	13/32 x 1-1/2	#12 to #3, Cu setscrew	#12 to #2, Al setscrew
682366	600	30	13/32 x 1-1/2	#12 to #8, Cu crimp	#6, Cu crimp
682335	480	60	13/32 x 2-1/4	#6 stranded to #4 solid, Al crimp	#6 stranded to #4 solid, Al crimp
682352	480	60	13/32 x 2-1/4	#12 to #2, Al setscrew	#12 to #2, Al setscrew
012603	480	60	13/32 x 2-1/4	#2 stranded, Cu crimp	#2 stranded, Cu crimp

INSULATING BOOT

Description: Rubber-insulating boot, single-pole (two required per holder)

SCL Matl. Std.: 6857.05

Stock Unit: EA

Stock No.: 682360



Continued on following page

IN-LINE FUSE HOLDER, Rejection-Type, Waterproof

Description: Rejection-type, in-line, waterproof fuse holder accepts Class CC rejection type fuses. Non-rejection type fuses will not operate if installed.



Rejection-type fuse holders:

- Prevent the installation of fuses rated less than 600 V.
- Are used with class CC, rejection-type fuses cited in SCL 6855.55.
- Are UL-Listed for IPX7 conditions for protection against water immersion up to 3 ft.
- Are intended for installation in wet conditions. Two rubber insulating boots, Stock No. 682360, are required per in-line holder.

The recommended coupling nut torque is 10 to 20 in-lb.

SCL Matl. Std.: 6857.07

Stock Unit: EA

Stock No.	Voltage Rating (V)	Current Rating, Maximum (A)	For Fuses Measuring Diameter x Length (in)	Loadside Terminal, Cu, Crimp	Lineside Terminal, Cu, Crimp
013518	600	30	13/32 x 1-1/2	#12 to #8	#6
013519	600	30	13/32 x 1-1/2	#6	#6
013520	600	30	13/32 x 1-1/2	#6	#6
013521	600	30	13/32 x 1-1/2	#2	#2

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 midjet 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

Fire Protection Control Cabinets

Fire Protection Control Cabinets, Assembled

Description: Assembled and wired fire protection control cabinets. NEMA type 4 fire protection control cabinets are used to monitor conditions in spot network vaults and send trip signals to network protectors, if necessary. See SCL NCB-141 for installation guidelines.

Matl. Std.: 6858.15

Stock Unit: EA

Stock No.: 682897



Secondary Spool Insulators and Assemblies with Insulators

Clevis with Spool Insulator

Description: Clevis assembled with insulator
Application: Secondary, neutral
Matl. Std.: 6904.15
Stock Unit: EA



Stock No.	Insulator Size, in	ANSI Insulator Class
014328 E	3-1/8 x 3	53-2

Polymer Spool Insulator

Description: Gray, polymer, spool type, insulators
Application: Spool insulators are used with rigid clevis yokes, and angle brackets to support deadend secondary and common neutral conductors. Spool insulators pre-assembled with a clevis bracket and angle brackets are also available.
Matl. Std.: 6904.15
Stock Unit: EA



Stock No.	Size, in	ANSI Insulator Class
014327 E	3-1/8 x 3	53-2

Angle Bracket with Spool Insulator

Description: Angle bracket assembled with insulator
Application: Secondary, neutral, pole-mounting
Matl. Std.: 6904.15
Stock Unit: EA



Stock No.	Description	ANSI Insulator Class
690402 E	Small bracket	53-2
690404 E	Large bracket	53-2

Wireholder, Porcelain with Screw

Description: Gray, porcelain, wireholder insulator
Application: Secondary overhead service
Matl. Std.: 6904.23
Stock Unit: EA
Stock No: 690706 E



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
690005 E	4	55-2

Distribution Line Insulators, 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 696826 E or 696828 E.

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

TIE TOP, Vertical, Line Post

Description: Gray, polymer, vertical line post insulator with F neck tie top.

Application: Tie top, vertical line post insulators are used with crossarms and wood poles to support 26 kV, bare, 4/0 copper and smaller size distribution conductors.

For use in both non-contaminated and contaminated environments.

Use with 3/4 in studs, Stock Nos. 696826 E or 696828 E.

SCL Matl. Std.: 6901.45

Stock Unit: EA

Stock No.: 014304



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

STOCK CATALOG

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

STOCK CATALOG

TRANSMISSION LINE INSULATORS, PORCELAIN, SUSPENSION

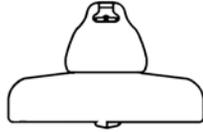
DEADEND, Suspension

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

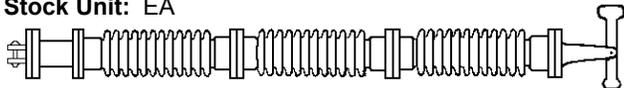
HORIZONTAL STRUT

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

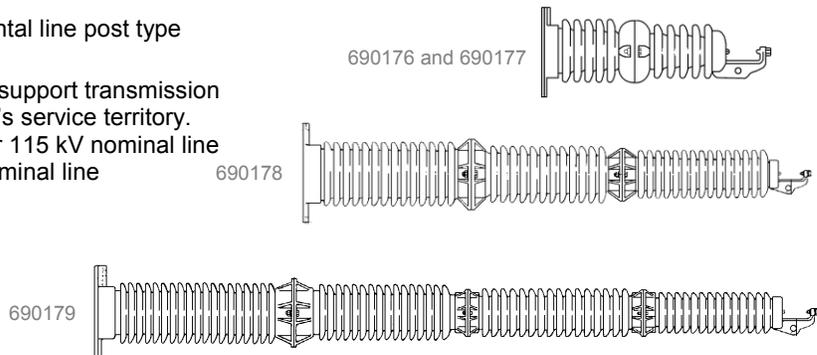
HORIZONTAL POST, Multi-Sectional

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



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

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.

SCL Matl. Std.: 6902.37

Stock Unit: EA

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.



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.

SCL Matl. Std.: 6902.35

Stock Unit: EA

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.



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

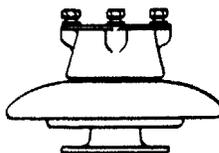
CAP AND PIN

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

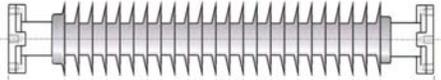


Stock No.	ANSI C29.9 Insulator Class	Unit Height, in	Bolt Circle Diameter, in	BIL, kV
690284 *	TR-58	7-1/4	5	95

* 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.

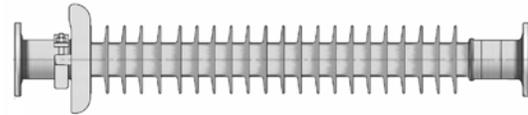
This insulator, in combination with a steel trunnion adapter (Stock No. 012381) and bracket (Stock No. 693017), can also be used as a vertical line post insulator.

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

STOCK CATALOG

DISTRIBUTION TRANSFORMER BUSHINGS, PORCELAIN

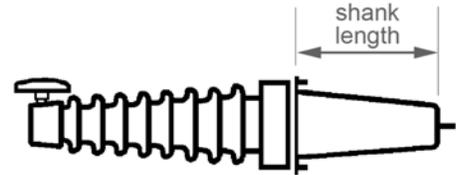
COVER MOUNT BUSHING

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.

Submersible Distribution Transformer Secondary Leads

Submersible Distribution Transformer Secondary Leads

Description: Replacement secondary leads for 25kVA–75kVA transformers.
For use when submersible single phase transformers are returned from the field in working order, but which need secondary leads to replaced damaged ones.

Matl. Std.: 4320.00

Stock Unit: EA



Stock No.	Transformer (kVA)	Cable Size
014258	25	2/0
014259	50	4/0
014260	75	500 kcmil

Guy Strain Insulators

Guy Strain Insulator

Description: Guy strain insulator. To be installed in-line with down guys on utility poles to provide electrical insulation to the guy wire and anchor if a conductor makes contact with the guy, and to keep grounded guy wires out of hot working areas.

Matl. Std.: 6900.50
Stock Unit: EA



Stock No.	Section Length (in)
690090	36
690092	12
690094	108
690096	24

Guy Strain Insulator, Porcelain

Description: Gray, porcelain, guy strain insulator. Installed in down guys and span guys to create an electric break.

Matl. Std.: 6901.10
Stock Unit: EA



Stock No.	Length (in)	ANSI C29.4 Class
690104 E	4-1/4	54-2
690106 E	5-1/2	54-3

Clevis and Eye Suspension Hardware

Fittings, Forged Steel Ball-Style Insulator

Description: Ball-style insulator fittings are used to attach ball and socket insulators to other associated distribution tower hardware. The bent bolt in the ball Y-clevis section provides an additional point of articulation. The ball oval-eye and an anchor shackle is one of the most common distribution tower attachment combinations and is available as an assembly.

Ball-style insulator fittings are compatible with the class 52-3 and 52-5 insulators defined in ANSI C-29.2.

Matl. Std.: 6945.05
Stock Unit: EA



Stock No.	Type	Ultimate Strength (lb)
695505	Ball clevis	30,000
695515	Ball clevis, long	30,000
695525	Ball Y-clevis	30,000
695860	Ball eye	30,000
696135	Ball oval-eye with anchor shackle, tower assembly	30,000

Fittings, Clevis Style, Strain Insulator

Description: Clevis style strain insulator fittings are used in hot line work, primarily for connecting associated hardware to ball and socket type insulators. The clevis eye is used to connect quadrant type deadends to clevis tongue insulator or yoke plates.

Clevis style strain insulator fittings are for use with class 52-3 insulators specified in ANSI C-29.2.

Matl. Std.: 6945.10
Stock Unit: EA



Stock No.	Type	Ultimate Strength (lb)
695540	Socket clevis, 90°	18,000
695545	Socket clevis	30,000
695550	Socket clevis, long	30,000
695970	Clevis eye, 90°	18,000

Fittings, Socket Eye, Strain Insulator

Description: Socket eye-style insulator fittings are used in hot line work, primarily for connecting associated hardware to ball and socket type strain insulators.

Socket eye-style insulator fittings are for use with class 52-3 insulators per ANSI C-29.2.

Stock Nos. 696008, 696017, and 696029 are for use with 5/8-in diameter clevis pins.

Stock No. 696020 is for use with 3/4-in diameter clevis pins.

Matl. Std.: 6945.15
Stock Unit: EA



Stock No.	Type	Ultimate Strength (lb)
696008	Socket eye	18,000
696017	Socket eye	25,000
696029	Socket eye	30,000
696020	Socket eye	30,000

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 five 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
696620 E	1/4	05,000
696621 E	3/8	10,000
696622 E	7/16	15,000
696623 E	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

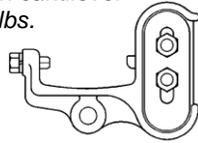


Stock Number	Ultimate Strength, lbs	Nominal Dimensions, in	Approved Manufacturers		
			Hubbell/Anderson	Lindsey	MacLean
696195	40,000	5/8 x 1 x 3-1/4	79272-2000	3403	CL5
696200	60,000	3/4 x 1 x 3-1/2	LK60	3405	CL6

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

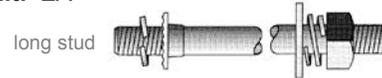
Description: 5/8" NC x 2"; galvanized with jam nut assembled

Application: Replacement bolt for use with trunnion end fitting type insulators, such as Stock No. 690184.

SCL Matl. Std.: none
Stock Unit: EA
Stock No.: 012182 E

STUDS, for Post Insulators

SCL Matl. Std.: 6901.31
Stock Unit: EA



Stock No.	Description	Size, in
696826 E	short stud	3/4 x 1-3/4
696828 E	long stud	3/4 x 7-1/2

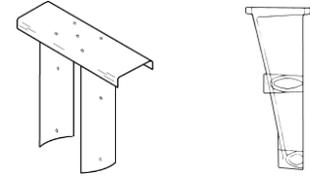
Insulator Mounting Hardware, Brackets

Bracket, Mounting, Pole Top

Description: Pole top mounting bracket. Fits pole diameters from 7-1/2 in to 11 in. Used for mounting of pole top vertical line post insulators.

Matl. Std.: 563285

Stock Unit: EA



Manufacturer Catalog No.

Stock No.	Hughes	Lindsey Mfg. Co.	MacLean Power Systems
693017	B2638-A	2050SCL	BPT-88

Bracket, Mounting, Pole Top Post Insulator

Description: Pole top post insulator mounting bracket. For post or pin insulators.

Matl. Std.: 5632.06

Stock Unit: EA



Stock No.: 563253

Bracket, Mounting, Horizontal Post Insulator

Description: Horizontal post insulator mounting bracket. For mounting 34.5 kV horizontal post insulators on wood poles.

Matl. Std.: 5632.07

Stock Unit: EA



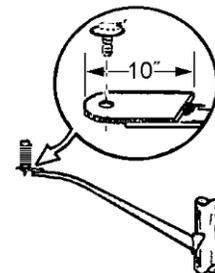
Stock No.: 580510

Bracket, Side Arm

Description: Aluminum side arm bracket. 69-in span. For mounting post insulators.

Matl. Std.: 5632.90

Stock Unit: EA



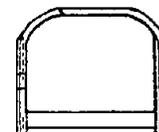
Stock No.: 580515

Bracket Extension

Description: Bracket extension with reinforcing rod. For secondary racks.

Matl. Std.: 5805.1

Stock Unit: EA



Stock No.: 580505 E

Deadend Clamps

Clamp, Ductile Iron, Deadend, Quadrant Strain

Description: Ductile iron quadrant strain deadend clamps consists of a body, a keeper (a metal piece that sandwiches the conductor to the body of the clamp), a strain socket eye, a cotter pin, and U-bolts with nuts. Ductile iron quadrant strain deadend clamps are used to terminate static wires. These clamps may be used for transmission line construction with copper conductor or Copperweld® phase conductors; however, magnetic induction heating will occur.

Matl. Std.: 6938.31
Stock Unit: EA



Stock No.	Conductor Size Range (AWG/kcmil)	Ultimate Strength (lb)
693370	1/0-300	20,000

Clamp, Aluminum Deadend, Quadrant Strain

Description: Aluminum quadrant strain deadend clamps consist of a body, a keeper (metal piece that sandwiches the conductor to the body of the clamp), a strain socket eye, a cotter pin, and U bolts with nuts. Aluminum quadrant strain deadend clamps are used to terminate bare conductor on ball and socket type strain insulators. These clamps are used for transmission line construction with all aluminum, ACSR, or aluminum alloy conductors; or with Alumoweld® static wire.

Matl. Std.: 6938.71
Stock Unit: EA



Stock No.	Conductor Size Range (kcmil)	Ultimate Strength (lb)
693805	397.5-477	25,000
693825	477-954	30,000

Clamp, Ductile Iron, Deadend Strain, Straight Line

Description: Ductile iron, deadend strain, straight-line clamps consist of a body and keepers, compression springs, a button head clevis pin, cotter pin, and U-bolts with nuts.

This clamp is for constructing pole switch terminations. It is used to attach aluminum, ACSR, or copper conductors ranging in size from 2/0 to 500 kcmil to suspension insulators.

The recommended torque on the 1/2-in U-bolts is 40 ft-lb.
 Replacement clevis pin: Stock No. 013167.
 Replacement cotter pin: Stock No. 582528.

Matl. Std.: 6939.10
Stock Unit: EA



Stock No.	Conductor Diameter Range (kcmil)	Ultimate Strength, Clamp (lb)	Ultimate Strength, Sag Eye (lb)
	0.36-0.93	15,000	12,000

Continued on the next page.

Clamp, Aluminum Deadend Strain, Straight-Line, Side-Opening

Description: Aluminum deadend strain clamps consist of the body and keepers, compression springs, a button head pin, a cotter pin, and U-bolts with nuts.

Aluminum deadend strain clamps are used for connecting primary conductor to a deadend insulator. These clamps are used for distribution line construction with all aluminum, ACSR, or aluminum alloy conductors.

Aluminum deadend strain clamps can be installed on energized conductors using hot sticks.

The recommended torque on the 1/2" U-bolts is 40 in-lb.

Matl. Std.: 6939.22

Stock Unit: EA



Stock No.	ACSR Conductor Size Range (AWG/kcmil)	Ultimate Strength (lb)
694292	3/0-397	12,000
694294	336.4-954	15,000

Clamp, Ductile Iron, Deadend Strain, Straight-Line, Side-Opening

Description: Ductile iron, deadend strain clamps consist of a body and keepers, compression springs, a button head pin, a cotter pin, and U-bolts with nuts.

Deadend clamps are for constructing pole switch terminations. Deadend clamps are used to attach static wire or copper conductors ranging in size from #1 AWG to 350 kcmil to suspension insulators.

The recommended torque on the 3/8" U-bolts is 20 to 25 in-lb.

Replacement clevis pin: Stock No. 013167.

Replacement cotter pin: Stock No. 582528.

Matl. Std.: 6939.15

Stock Unit: EA



Stock No.	Conductor Diameter Range (in)	Ultimate Strength, Body (lb)	Ultimate Strength, Sag Eye (lb)
014385	0.31-0.70	10,000	7000

Clevis Pin

Description: Hot-dipped galvanized steel clevis pin.

Clevis pins are used to secure a variety of insulator clevis fittings, clamps, and anchor shackles for overhead line termination construction.

Clevis pins are used as replacement parts for insulator clevis fittings, clevis-style deadend clamp assemblies, and anchor shackles using 5/8-inch diameter pins.

Matl. Std.: 6945.20

Stock Unit: EA



Stock No.: 013167

INSULATOR CLAMPS, SUSPENSION

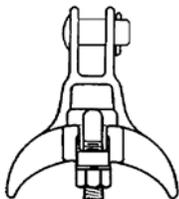
ANGLE, Forged Steel or Malleable Iron

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		Ultimate Strength, lbs
	Minimum	Maximum	
695016	0.162	0.600	7000

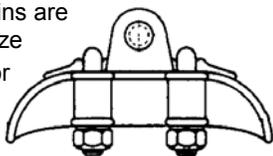
SUSPENSION, Malleable Iron

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		Ultimate Strength, lbs
	Minimum	Maximum	
695015	0.40	0.82	18,000

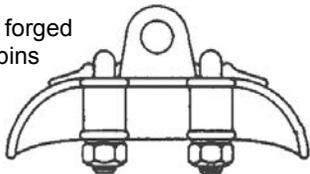
SUSPENSION, Aluminum

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		Ultimate Strength, lbs
	Minimum	Maximum	
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

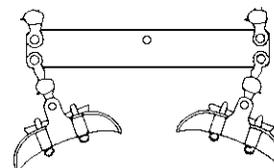
Description: Type D; per SCL Drawing TD-10098

Application: For 230 kV transmission line

SCL Matl. Std.: None

Stock Unit: ST

Stock No.: 693060

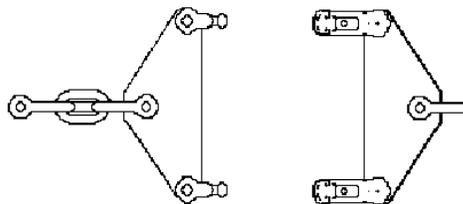


YOKE PLATE ASSEMBLY, DEADEND STRAIN

Description: Galvanized, steel, heavy duty

SCL Matl. Std.: 6970.15

Stock Unit: ST



Yoke plate assembly, Stock No. 693085, includes the following:

Stock No.	Description	Quantity
013660	Yoke plate	2
695515	Ball clevis	2
695550	Socket clevis	2
696618	Anchor shackle, 3/4 in	3
696200	Chain link	1

**LINE POST INSULATOR CLAMPS
AND LOAD LIMITER HARDWARE**

LINE POST INSULATOR CLAMP, Malleable Iron

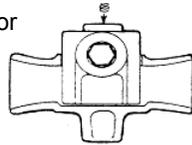
Description: trunnion, line post rating 34.5 kV, galvanized with stainless steel springs; one or two bolts

Application: for use with copper conductor

SCL Matl. Std.: 6951.5

Stock Unit: EA

one bolt



Stock No.	Conductor Diameter, in	
	Minimum	Maximum
695182	0.25	0.56
695183	0.50	1.06

LINE POST INSULATOR CLAMP, Aluminum

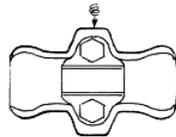
Description: trunnion, line post rating 34.5 kV, with stainless steel springs; one or two bolts

Application: for use with aluminum or ACSR conductor

SCL Matl. Std.: 6951.5

Stock Unit: EA

two bolt



Stock No.	Conductor Diameter, in	
	Minimum	Maximum
695192	0.25	0.56
695193	0.50	1.06
695196	0.99	1.50

LINE POST INSULATOR CLAMP, Aluminum

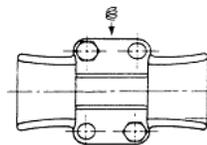
Description: trunnion, line post rating 115 kV, with stainless steel springs; one, two or four bolts

Application: for use with aluminum or ACSR conductor

SCL Matl. Std.: 6951.5

Stock Unit: EA

four bolt



Stock No.	Conductor Diameter, in	
	Minimum	Maximum
695194	1.00	1.50
695195	1.50	2.00

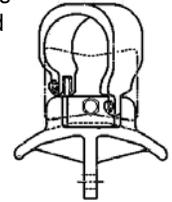
LOAD LIMITERS, HORIZONTAL POST INSULATOR

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

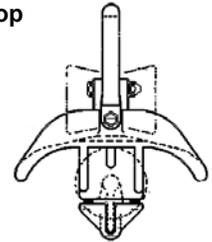
LOAD LIMITER ADAPTER, for Clamp Top

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**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**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

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

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



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



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), 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.

Obtain from the Tool Room.



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



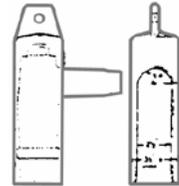
MUD COVER, Elbow

Application: Elbow protection in underground vaults.

SCL Matl. Std.: 6864.03

Stock Unit: EA

Stock Number: 686467



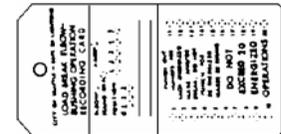
RECORDING CARD

Application: To record number of operations on loadbreak elbows and bushings.

SCL Matl. Std.: 7653.16

Stock Unit: EA

Stock Number: 686465 E

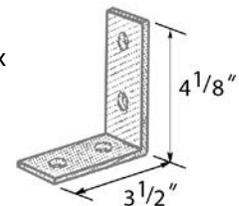


GROUND SUPPORT BRACKET, Hot-Dipped Galvanized

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, 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 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



**BUSHING WELL, 9-1/4-inch
Shank**

Application: An apparatus bushing having a cavity for insertion of connector component, such as a bushing insert.

Stock Number:
686434



**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



**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



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.

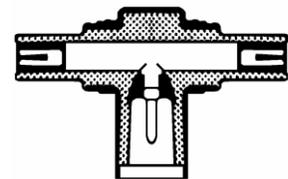
Stock Number: 686462



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

**BAIL, special purpose, deadend plug hold down assembly**

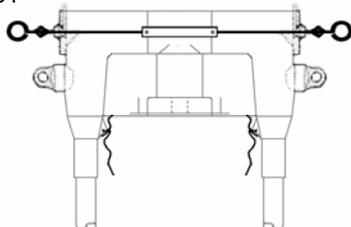
Application: Hold down deadend plug inside "T" connector.

Stock Number: 686561

**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, 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 Splices and Accessories, 15 kV Class, 110 kV BIL

Straight				Matl. Std. 6873.11	
Stock No.	Conductor Size, AWG/kcmil	Insulation Overall Diameter Range (in)	Jacket Overall Diameter, Maximum (in)		
013055	#1	0.65-0.95	1.20		
013056	350-500	0.85-1.30	1.65		
013057	750-1000	1.10-1.55	1.90		
3- or 4-Way Wye				Matl. Std. 6873.41	
Stock No.	Conductor Range		Insulation Diameter		Kit Installed Length (in)
	Main, Min-Max (AWG/kcmil)	Tap, Min-Max (AWG/kcmil)	Main, Min-Max (in)	Tap, Min-Max (in)	
687540	#2-350	#2-350	0.65-1.05	0.65-1.05	28
687545	#2-350	#2-350	0.65-1.05	0.65-1.05	28
687541	250-750	250-750	0.95-1.45	0.65-1.45	30
687546	250-750	250-750	0.95-1.45	0.65-1.45	30
011909	750-1000	#1-250	1.05-1.70	0.65-1.05	34
Shim Kits				Matl. Std. 6873.43	
Stock No.	Cable Insulation Diameter Range (in)	Application			
687551	0.60-1.05	For 3/0 as the smaller main leg (250 to 750 kcmil) in wye splice, Stock No. 687541.			
687553	0.90-1.50	For 500 kcmil Cu to 750 kcmil Al in straight splice, Stock No. 687516.			
687554	0.70-1.15	For cable sizes smaller than 350 kcmil (350 to 500 kcmil) in straight splice, Stock No. 687514.			
PILC to TRXLPE Transition				Matl. Std. 6873.49	
		687130	687132	687134	
Transition from		3/C, #4-3/0 AWG, PILC	3/C, 3/0-300 kcmil, PILC	3/C, 500 kcmil, PILC	
Transition to		3-1/C, #1-3/0 AWG, TRXLPE	3-1/C, 350 kcmil, TRXLPE	3-1/C, 500 kcmil, TRXLPE	
Conductor size range, AWG/kcmil		#4-4/0	250-350	500-750	
Insulation diameter, min-max (in)					
PILC		0.60-1.00	0.85-1.10	1.05-1.50	
Poly		0.65-1.05	0.90-1.30	1.10-1.60	
Jacket outside diameter, max (in)		1.35	1.50	1.90	
Connector dimensions, max (in)					
Outside diameter		0.90	1.15	1.60	
Length		4.5	5.5	7.0	
Kit installed length (in)		40	40	48	
Required installation space (in)		60	62	68	
Connector supplied with kit		None	None	None	
Live End Seals				Matl. Std. 6873.57	
		686611	686612	686613	686616
Conductor size, AWG/kcmil		#4-4/0	250-350	500-750	#4-4/0
Cable insulation system		Polymeric or PILC	Polymeric or PILC	Polymeric or PILC	PILC only
Insulation diameter, min-max (in)					
PILC		0.60-0.90	0.85-1.10	1.05-1.30	0.60-1.00
Poly		0.65-1.05	0.90-1.30	1.10-1.60	-
Kit installed length (in)		12	12	12	27
Connector supplied with kit		None	None	None	None
Typical City Light cable application		1/C, #1-3/0 AWG, TRXLPE	1/C, 350-500 kcmil, TRXLPE	1/C, 750 kcmil, TRXLPE	3/C, #4-3/0 AWG, PILC

Heat Shrink Splices and Accessories, 25 kV Class, 150 kV BIL

Straight					Matl. Std. 6873.16
Stock No.	Conductor Size, AWG/kcmil	Cable Construction	Insulation Overall Diameter Range (in)	Jacket Overall Diameter, Maximum (in)	Notes
687506	#1-250	CN	0.90-1.20	1.55	Extra long repair
687507	#1-250	"	0.90-1.20	1.55	
687508	350-500	"	1.20-1.50	1.95	
687510	#1-250	Tape, RW, FS	0.90-1.20	1.50	
687514	350-500	"	1.20-1.50	1.95	
687516	750-1000	"	1.50-1.80	2.40	
PILC to TRXLPE Transition					Matl. Std. 6873.51
		687136	687138	687140	
Transition from		3/C, #1-4/0 AWG, PILC	3/C, 4/0 AWG, PILC	3/C, 500 kcmil, PILC	
Transition to		3-1/C, #1-1/0 AWG, TRXLPE	3-1/C, 350 kcmil, TRXLPE	3-1/C, 350 kcmil, TRXLPE	
Conductor size range, AWG/kcmil		#1-250	#1-250	350-500	
Insulation diameter, min-max (in)					
PILC		1.85-1.20	0.85-1.20	1.15-1.40	
Poly		0.90-1.25	0.90-1.25	1.15-1.50	
Jacket outside diameter, max (in)		1.55	1.55	2.00	
Connector dimensions, max (in)					
Outside diameter		1.10	1.10	1.35	
Length		5.50	5.50	7.0	
Kit installed length (in)		48	48	48	
Required installation space (in)		65	65	75	
Required connector (not included with kit)		Homac SAC 4/0R2	Homac SAC 350R4/0	Homac SAC 500R350	
External grounding/shield interrupting kit (included with main kit)		EG-1	EG-2	EG-2	

Primary Splices and Accessories, 15 kV Class, 110 BIL

Splice Kits, Straight, Heat Shrink

Description: Heat-shrink cable splice kits contain everything needed to make up a splice except the connector. While tapered connectors are preferred, non-tapered or secondary connectors may be used as long as they are no sharper than an "H" style connector and the stress relief mastic (SRM) successfully smooths them out.

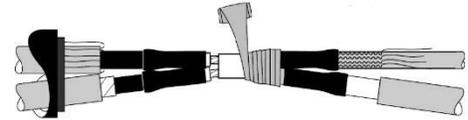
Matl. Std.: 6873.11
Stock Unit: EA



Stock No.	Conductor Size, AWG/kcmil	Insulation Overall Diameter Range (in)	Jacket Overall Diameter, Maximum (in)
013055	#1	0.65-0.95	1.20
013056	350-500	0.85-1.30	1.65
013057	750-1000	1.10-1.55	1.90

Splice Kits, 3- or 4-Way Wye, Heat Shrink

Description: With the use of shim kits, cables of two different conductor sizes can be joined as long as they fall within the same kit range. A standard kit will join three cables. To join four cables, order both the standard kit and the appropriate modification (mod) kit.



Matl. Std.: 6873.41
Stock Unit: EA

Stock No.	Conductor Range		Insulation Diameter		Kit Installed Length (in)
	Main, Min-Max (AWG/kcmil)	Tap, Min-Max (AWG/kcmil)	Main, Min-Max (in)	Tap, Min-Max (in)	
687540	#2-350	#2-350	0.65-1.05	0.65-1.05	28
687545	#2-350	#2-350	0.65-1.05	0.65-1.05	28
687541	250-750	250-750	0.95-1.45	0.65-1.45	30
687546	250-750	250-750	0.95-1.45	0.65-1.45	30
011909	750-1000	#1-250	1.05-1.70	0.65-1.05	34

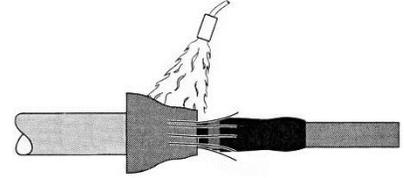
Primary Splices and Accessories, 15 kV Class, 110 kV BIL

Shim Kits, Heat Shrink Splice

Description: Shim kits are used to increase the insulation diameter of polymeric cable, allowing it to fit in the use range of a standard splice kit. The shim kit may be used for 1/C copper, tape, LC shield, wire shield, lead sheath, jacketed and unjacketed concentric neutral cables.

To determine the correct shim kit to use, select the shim kit that fills the larger of the two cables within the kit insulation diameter use range. If the large cable fits in more than one kit, use the smaller kit. Shim kits do not contain connectors. If needed, order size reducing connector separately.

Matl. Std.: 6873.43
Stock Unit: EA



Stock No.	Cable Insulation Diameter Range (in)	Application
687551	0.60-1.05	For 3/0 as the smaller main leg (250 to 750 kcmil) in wye splice, Stock No. 687541.
687553	0.90-1.50	For 500 kcmil Cu to 750 kcmil Al in straight splice, Stock No. 687516.
687554	0.70-1.15	For cable sizes smaller than 350 kcmil (350 to 500 kcmil) in straight splice, Stock No. 687514.

Kit Minimum Insulation Diameter (in)	Smaller Cable Insulation Diameter (in)	Use Shim Kit Stock No.
0.80	0.60-0.80	687551
0.85	0.65-0.85	"
0.90	0.70-0.90	"
0.95	0.80-0.95	"
1.00	0.85-1.00	"
1.05	0.90-1.05	"
1.10	0.90-1.10	687553
1.15	0.95-1.15	"
1.20	1.00-1.20	"
1.25	1.10-1.25	"
1.30	1.15-1.30	"
1.35	1.20-1.35	"
1.40	1.25-1.40	"
1.45	1.30-1.45	"
1.50	1.35-1.50	"
1.10	0.70-0.90	687554
1.15	0.80-0.95	"
1.20	0.85-1.00	"
1.25	0.95-1.10	"
1.30	1.00-1.15	"

Primary Splices and Accessories, 15 kV Class, 110 kV BIL**PILC to TRXLPE Transition Splice Kits, Heat Shrink**

Description: Heat shrink transition splices reduce the complexity of splicing one 3/C PILC cable to three 1/C polymeric cables. By converting the PILC cable to a polymeric equivalent, the splices eliminate compound filling and difficult lead wiping.

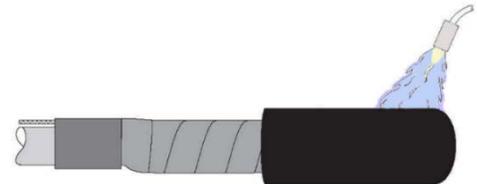


Matl. Std.: 6873.49
Stock Unit: EA

	687130	687132	687134
Transition from	3/C, #4-3/0 AWG, PILC	3/C, 3/0-300 kcmil, PILC	3/C, 500 kcmil, PILC
Transition to	3-1/C, #1-3/0 AWG, TRXLPE	3-1/C, 350 kcmil, TRXLPE	3-1/C, 500 kcmil, TRXLPE
Conductor size range, AWG/kcmil	#4-4/0	250-350	500-750
Insulation diameter, min-max (in)			
PILC	0.60-1.00	0.85-1.10	1.05-1.50
Poly	0.65-1.05	0.90-1.30	1.10-1.60
Jacket outside diameter, max (in)	1.35	1.50	1.90
Connector dimensions, max (in)			
Outside diameter	0.90	1.15	1.60
Length	4.5	5.5	7.0
Kit installed length (in)	40	40	48
Required installation space (in)	60	62	68
Connector supplied with kit	None	None	None
External grounding/shield interrupting kit (included with main kit)	EG-1	EG-1	EG-2

Live End Seals, Heat Shrink

Description: Heat shrink, live end seals insulate and seal the ends of 1/C, polymeric, and paper-insulated, lead-covered (PILC) cables and 3/C PILC cables. Typical applications include: live ending of spare cables for future use; isolating a failed cable length; and sectionalizing a cable circuit during system maintenance and repair, expansion, or testing.



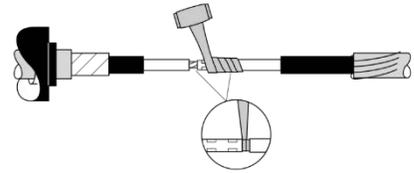
Matl. Std.: 6873.57
Stock Unit: EA

	686611	686612	686613	686616
Conductor size, AWG/kcmil	#4-4/0	250-350	500-750	#4-4/0
Cable insulation system	Polymeric or PILC	Polymeric or PILC	Polymeric or PILC	PILC only
Insulation diameter, min-max (in)				
PILC	0.60-0.90	0.85-1.10	1.05-1.30	0.60-1.00
Poly	0.65-1.05	0.90-1.30	1.10-1.60	-
Kit installed length (in)	12	12	12	27
Connector supplied with kit	None	None	None	None
Typical City Light cable application	1/C, #1-3/0 AWG, TRXLPE	1/C, 350-500 kcmil, TRXLPE	1/C, 750 kcmil, TRXLPE	3/C, #4-3/0 AWG, PILC

Primary Splices and Accessories, 25 kV Class, 150 kV BIL

Splice Kits, Straight, Heat Shrink

Description: Heat-shrink cable splice kits contain everything needed to make up a splice except the connector. While tapered connectors are preferred, non-tapered or secondary connectors may be used as long as they are no sharper than an "H" style connector and the stress relief mastic (SRM) successfully smooths them out.



Matl. Std.: 6873.16
Stock Unit: EA

Stock No.	Conductor Size, AWG/kcmil	Cable Construction	Insulation Overall Diameter Range (in)	Jacket Overall Diameter, Maximum (in)	Notes
687506	#1-250	CN	0.90-1.20	1.55	Extra long repair
687507	#1-250	"	0.90-1.20	1.55	
687508	350-500	"	1.20-1.50	1.95	
687510	#1-250	Tape, RW, FS	0.90-1.20	1.50	
687514	350-500	"	1.20-1.50	1.95	
687516	750-1000	"	1.50-1.80	2.40	

PILC to TRXLPE Transition Splice Kits, Heat Shrink

Description: Heat-shrink cable splice kits contain everything needed to make up a splice except the connector. While tapered connectors are preferred, non-tapered or secondary connectors may be used as long as they are no sharper than an "H" style connector and the stress relief mastic (SRM) successfully smooths them out.



Matl. Std.: 6873.51
Stock Unit: EA

	687136	687138	687140
Transition from	3/C, #1-4/0 AWG, PILC	3/C, 4/0 AWG, PILC	3/C, 500 kcmil, PILC
Transition to	3-1/C, #1-1/0 AWG, TRXLPE	3-1/C, 350 kcmil, TRXLPE	3-1/C, 350 kcmil, TRXLPE
Conductor size range, AWG/kcmil	#1-250	#1-250	350-500
Insulation diameter, minimum-maximum (in)			
PILC	1.85-1.20	1.85-1.20	1.15-1.40
Poly	0.90-1.25	0.90-1.25	1.15-1.50
Jacket outside diameter, maximum (in)	1.55	1.55	2.00
Connector dimensions, maximum (in)			
Outside diameter	1.10	1.10	1.35
Length	5.50	5.50	7.0
Kit installed length (in)	48	48	48
Required installation space (in)	65	65	75
Required connector (not included with kit)	Homac SAC 4/0R2	Homac SAC 350R4/0	Homac SAC 500R350
External grounding/shield interrupting kit (included with main kit)	EG-1	EG-2	EG-2

Primary Splices and Accessories, 25 kV Class, 150 kV BIL

Splice Kits, Straight, Cold Shrink

Description: Cold-shrink cable splice kits contain everything needed to make up a splice including the connector. The connectors used with the cable splice kits specified in this standard are not interchangeable with the connectors typically used with modular, heat-shrink, or multi-component cold-shrink splices. Richards' connectors are designed with a special groove that centers the splice body over the connector.



Cold-shrink splice kits, Stock Nos. 014194, 014195, and 014197 each include a 1/0 AWG, copper neutral jumper assembly. When splicing #1-1/0 AWG, round wire concentric neutral cable it is expected the concentric wires will be used to provide neutral continuity.

Matl. Std.: 6874.19
Stock Unit: EA

Stock No.	Item	Conductor Range (AWG/kcmil)
014193	Cold Shrink Splice Kit with compression connector	#1-1/0
014194	Cold Shrink Splice Kit with range-taking shear-bolt connector	350
014195	"	500
014197	"	750-1000
014198	Range-taking compression connector	#1-1/0
014199	Range-taking shear-bolt connector	1/0-500
014200	"	350-750
014201	"	600-1200

Splice Kit Stock No.	Cable Stock No.	Conductor Range (AWG/kcmil)	Cable Construction	Insulation Overall Diameter Range (in)	Jacket Overall Diameter, Maximum (in)
014193	602027	#1 str	RWCN ¹	0.88-0.98	1.30
	012098	1/0 sol	RWCN	0.88-0.97	1.35
014194	012099	350	FS ²	1.22-1.28	1.57
014195	012100	500	FS	1.34-1.40	1.70
014197	012101	750	FS	1.52-1.58	2.00
	012102	1000	FS	1.67-1.73	2.10

¹ Round wire concentric neutral
² Flat strap shield



Splice body (typ.)



Compression style connector (typ.)



Shear-bolt style connector (typ.)

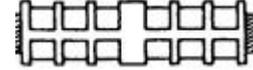
Underground Material - Splice Connectors and Cloth

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. 687630 connector is tinned copper.

Matl. Std.: None

Stock Unit: EA



Stock No.	City Light Cable Range	Approved Manufacturer and Catalog No.
687624	750 Al	Elastimold, 650SC-0360
687630	750 CCR, Cu	Richards CC23CR
687622	500	Elastimold, 650SC-0320
687619	350 Stranded	Elastimold, 650SC-0300
687620	300 Compressed	Elastimold, 650SC-0290

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.
580735	FT	No-Ox-Id, 4	none

Cable Sealing and Shield Adapter Kits

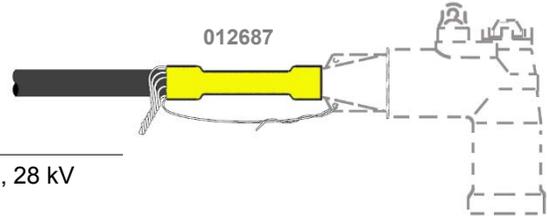
CABLE ACCESSORY SEALING KIT for Jacketed, Round Wire Concentric Neutral Cable

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

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

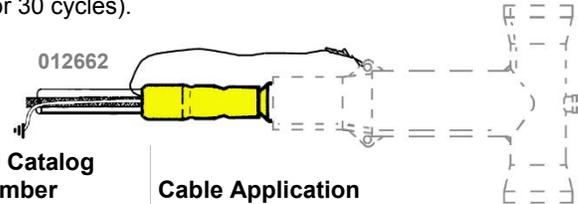
SHIELD ADAPTER KITS for Flat Strap, Tape, or Drain Wire Shielded Cable

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

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 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

Stock Unit: EA



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

POLYMER CONCRETE HANDHOLE, BOX OR EXTENSION AND COVER



POLYMER CONCRETE HANDHOLE, Box or Extension and Cover

Description: Type 1 assembly and Type 2 box/extension and covers (Streetlight and Electric).

Application: Polymer concrete handholes are used to house secondary electric and streetlight connections.

SCL Matl. Std.: 7203.20

Stock Unit: EA

Stock Number	Item	ANSI 77 Tier rating	Size, W x L x D, in
013321	Type 1 Assembly (Box and cover), "STREETLIGHT"	22	13 x 24 x 12
013322	Type 2 Box	22	17 x 30 x 12
013323	Type 2 Cover, "STREETLIGHT"	22	17 x 30 x 12
013324	Type 2 Cover "ELECTRIC"	22	17 x 30 x 12

All polymer concrete handhole boxes, extensions, and covers are intended for sidewalk application only.

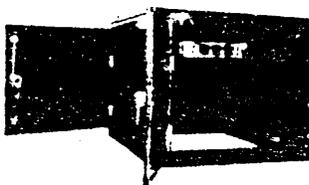
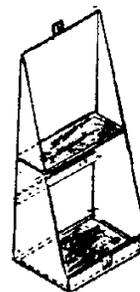
Underground Material
Primary Metering, Transformer and J-Box Enclosures and Alley Cans

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

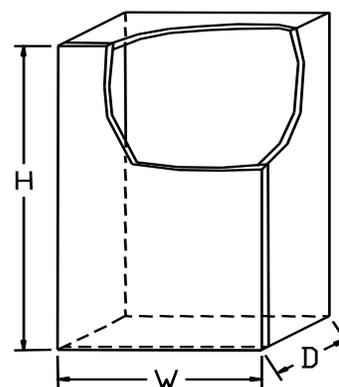
CAN, Alley

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"



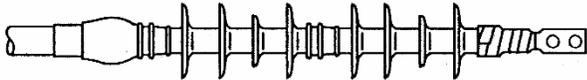
Underground Material – Terminators

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 Unit: EA



Stock No.	Insulation OD Range, in
686531	0.64-0.90
686532	0.83-1.53
012125	1.05-1.80
012126	1.53-2.32

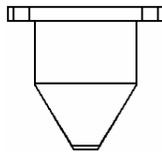
WIPING SLEEVE TERMINATORS

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

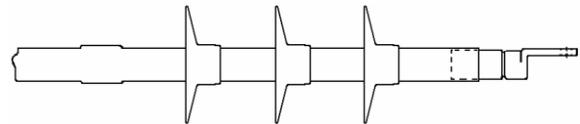


HEAT SHRINK TERMINATORS

Description: Connector not included, see Material Standard 6772.00 for connector.

SCL Matl. Std.: 6865.10

Stock Unit: EA

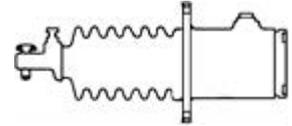


Stock No.	Insulation OD Range, in	kV
686521	0.80 - 1.25	5
686522	1.10 - 1.65	15
686526	0.85 - 1.40	25
686527	1.25 - 1.80	25
686528	1.10 - 1.70	25
686536	1.60 - 2.45	35▲
686538	1.97 - 2.56	35‡

▲ 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 Al	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



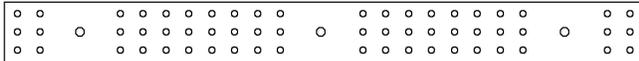
Notes for G & W Terminators:

- The wire range for the terminator is greater than what is indicated here however, City Light stocks connectors only in the range indicated.
- If no connector is indicated, or if a different wire size is required, select the proper connector from Table 2.
- 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.
- Flange mount terminators have 6-7/16" bolt holes. The bolt circle is listed before the word "Flange".

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

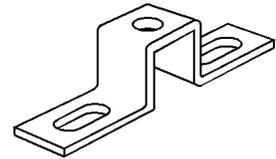


690880

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

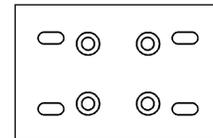
Application: For integral web bus, alloy A356-T6.
SCL Matl. Std.: 6808.11
Stock Unit: EA



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.

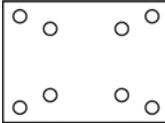
Size: 9" x 7-1/4" x 1/2"

Stock No.: 680802

Per SCL Matl. Std.: 6808.9

Stock Unit: EA

680802



PLATE, Bus Tie Switch Connector Plate

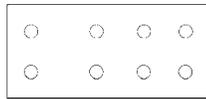
Description: Shop made.

Stock No.: 010467

Per SCL Matl. Std.: 6808.12

Stock Unit: EA

010467



CLAMP, Beam, for 1-5/8" Wide Channel

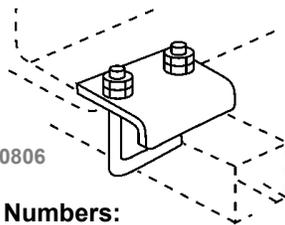
Application: To mount IWCB, C. T.'s and to rack cable.

Stock No.: 680806

Per SCL Matl. Std.: none

Stock Unit: EA

680806



Manufacturers and Catalog Numbers:

Power	Super	Unistrut	Wesanco
Strut	Strut		
PS2652	U501	P2785	W-5709 E/G

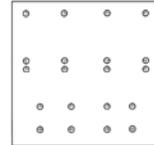
PLATE, Connector, 8" and 6" IWCB to Cable

Stock No.: 680860

Per SCL Matl. Std.: 6808.6

Stock Unit: EA

680860



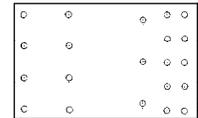
PLATE, Connector, CT Mounting

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

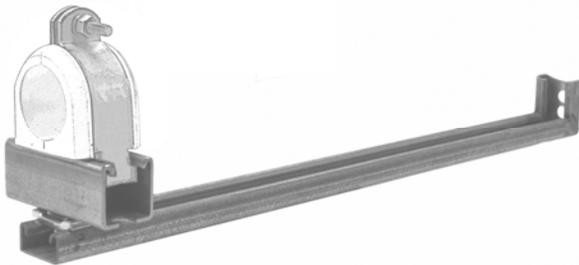
Description: Custom fabricated steel bracket assembly. Non-ceramic cable support assembly (consisting of a stainless steel clamp set and a thermoplastic cushion) is issued as a separate item.

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.	Horsepower	Discharge Size (in)	Fuse Notes
739290	0.5	2	Use 20 amp fuse # 013513 (See Matl. Std. 6855.55)

SUMP PUMP ACCESSORIES

SCL Matl. Std.: none

Stock No.	Stock Unit	Description
739404	EA	CLAMP, 1-1/16-in to 2-in stainless steel, for hose and pipe - Tridon # H-24
739406	EA	CLAMP, 2-1/16-in to 3-in stainless steel, for 1-1/4-in and 2-in sump pump discharge, Tridon HSS 40
739407	FT	HOSE, vinyl, 2.165-in I.D., 0.0669 wall thickness, Vinylflow VF 200, for 1-1/4-in pump
739408	FT	HOSE, vinyl, 2.598-in I.D., 0.0787 wall thickness, Vinylflow VF 250, for 2-in pump
739409	FT	HOSE, PVC, 1-1/4-in flexible. For sump discharge. Ryan-Herco Cat. No. 1018.012
739410	FT	HOSE, PVC, 2-in flexible. For sump discharge. Ryan-Herco Cat. No. 1018.020
739405	EA	PRESSURE SWITCH, for 2-in discharge pump, Hydromatic 51752-101-7 with 055020111 bracket
013505	EA	FILTER SOCK, 5-in diameter, 5-ft long, Eco Tec ADsorb-it SFS5-57
013506	EA	FILTER SOCK, 8-in diameter, 10-ft long, Eco Tec ADsorb-it SFS8-10
013507	EA	BUCKET WITH SCREW TOP LID, 5 gallon, Eco Tec HWB-5

Brick, Concrete, 2 in x 4 in x 8 in**Description:** Used to raise sump pumps off floor and to adjust elevation of hatch frames on vaults.

SCL Matl. Std.: None

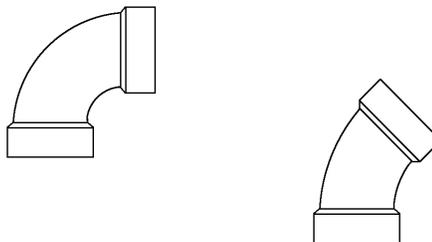
Stock Unit: EA

Stock No: 720130

**UNDERGROUND MATERIAL
 SUMP PUMP ACCESSORIES**

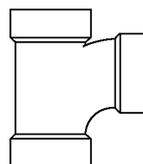
PIPE FITTINGS, DWV, SCH. 40 PVC
 Used for pump discharge pipes in vaults
 Per C. L. Spec. 7100.0
 Stock Unit: EA

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

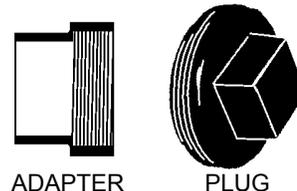


710100	Elbow 45	1-1/4" IPS	S x S
710114	Elbow 45	2" IPS	S x S

710118	TEE, Sanitary	1-1/4" IPS	S x S
710110	TEE, Sanitary	2" IPS	S x S



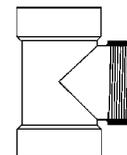
710127	Adapter and Plug, Cleanout	1-1/4" IPS	FIPT x S MIPT
710128	Adapter, Cleanout	2" IPS	FIPT x S
710123	Plug, Cleanout	2" IPS	MIPT



710112	Adapter, M	2" IPS	MIPT x S
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710122	TEE, Cleanout	2"	S x FIPT x S
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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



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.

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

Network Remote Monitoring System Components

Relay Kit for Westinghouse Style Network Protectors

Description: Kit contains key components necessary to outfit a Westinghouse style (Eaton CMD, CM22, CM52, or Richards 313NP) network protector (NP) with a relay and transmitter to remotely monitor and control the NP. Individual replacement parts are available.

Matl. Std.: None

Stock Unit: EA



Combination relay/transmitter



Smart external cable



Anti-pump CT

Stock No.	Description	DigitalGrid Catalog No.
013087	Relay kit for Westinghouse style NPs (includes combination relay/transmitter DG-6001, smart external cable DG-280, and anti-pump CT DG-671)	DG-6001 KT-1
013500	Combination relay/transmitter for Westinghouse style NPs	DG-6001
013501	Smart external cable	DG-280

Relay Kit for GE Style Network Protectors

Description: Kit contains key components necessary to outfit a GE style (or refurbished Richards) network protector (NP) with a relay and transmitter to remotely monitor and control the NP. Individual replacement parts are available.

Matl. Std.: None

Stock Unit: EA



Combination relay/transmitter



Smart external cable



Anti-pump CT

Stock No.	Description	DigitalGrid Catalog No.
013502	Relay kit for GE style NPs (includes combination relay/transmitter DG-6011, smart external cable, DG-280, and anti-pump CT DG-671)	DG-6011 KT-1
013555	Combination relay/transmitter for GE style NPs	DG-6011
013501	Smart external cable	DG-280

Temperature Sensor

Description: Sensor connects to the transmitter or combination relay/transmitter and reports ambient temperature.
Matl. Std.: None
Stock Unit: EA



Stock No.	Description	Manufacturer	Catalog No.
012122	Temperature sensor	DigitalGrid	DG-500

Fluid Sensor

Description: Sensor connects to the transmitter or combination relay/transmitter and reports the presence of liquid.
Matl. Std.: None
Stock Unit: EA



Stock No.	Description	Manufacturer	Catalog No.
012473	Fluid sensor	Advanced Control Technology	S05010BBA0T

Continued on the following page

Retrofit Network Remote Monitoring System Components

Stock No.	Stock Unit	Item	Description	Manufacturer's Catalog No.
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
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 ¹	EA	PROGRAM BOARD, red	45 kHz Use with Stock No. 687710 transmitter	BAE 125738 (RED)
687750 ¹	EA	PROGRAM BOARD, blue	50 kHz Use with Stock No. 687710 transmitter	BAE 125738 (BLUE)
687762 ¹	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

Notes

1. Used only with old model transmitter, Stock No. 687710. Limit purchases to support maintenance of old model 2391 only

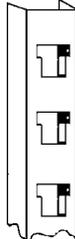
STOCK CATALOG

SUPERSEDING: May 27, 2008
EFFECTIVE DATE: October 19, 2017

**Cable Support Materials -
Underground Racks and Hooks**

RACK, Underground Cable

Application: for underground vaults
SCL Matl. Std.: 7216.7
Stock Unit: EA



Stock No.	No. of Holes	Length, in
721662 E	8	15
721664 E	14	24
721666 E	18	30

HOOKS, Cable Rack, Steel, Epoxy Paint Finish

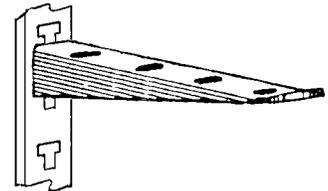
Application: for general use
SCL Matl. Std.: none
Stock Unit: EA



Stock No.	Length, in	Approved Manufacturers
720619 E	4	Richards SRA-4
720620 E	7	Richards SRA-7
720621 E	10	Richards SRA-10
720623 E	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
720625 E	4
720626 E	7
720629 E	10
720631 E	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. Used to fasten heavy primary or secondary cable to support brackets.

NOTE: 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. If the diameter of the cable is greater than 1/4 in over the minimum inside diameter of the cushion, use the next greater cushion size.

SCL Matl. Std.: none

Stock Unit: **EA**



Stock No.	Typical Cable Applications	ZSI Catalog No.	Mfr. Box Label (in)	Actual Inside Cushion Diameter (in)
011961	28 kV, 1/0, 2/C, bare	018CC026S	1-1/8	1.06
011962	28 kV, 350 kcmil, 1/C	024CC034S	1-1/2	1.44
011963	28 kV, 750 kcmil, 1/C	028CC042S	1-3/4	1.63
011964	–	032CC042S	2	1.88
012501	28 kV, 1000 kcmil, 1/C 15 kV, #1 AWG, 3/C	034CC042S	2-1/8	2.00
011965	15 kV, 3/0 AWG, 3/C	036CC050S	2-1/4	2.13
011966	28 kV, #1 AWG, 5/C 15 kV, 350 kcmil, 3/C	042CC050S	2-5/8	2.50

Cable Cleat and Liner

Description: Marine grade, nonmagnetic 316L stainless steel cleat with low smoke and fume, zero halogen polymer liner. 3/8-inch mounting bolts not included.

Application: Cable cleats (with liners) are used to cushion electric power cables from magnetic forces arising during fault currents. For vertical support of heavy cable, use weave-style grips. Refer to manufacturer's website (www.kvastrategies.com) for recommended cleat spacing and ratings for withstanding short circuits.

SCL Matl. Std.: 7206.06

Stock Unit: **EA**

Stock No.	Description
013428	Cleat
013429	Cleat liner for 15 kV, 1000 kcmil, 3-1/C cable (Stock No. 623670)



Brackets

BRACKET, Cable Support

Description: Vertical plate, double strut. 18 inch length.

Stock No.: 678005

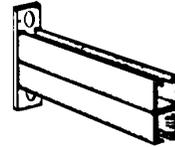
Per SCL Matl. Std.: none

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 by Seattle City Light per SCL Material Standard 7206.09.

Application: Used in conjunction with thermoplastic-type cable supports, Stock Nos. 011961 through 011966, 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



**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

STOCK CATALOG

superseding: October 21, 2011
effective date: October 30, 2013

Cable Support Materials - Pole Mounted Brackets and Pipe Straps

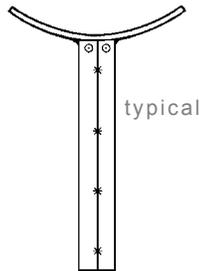
BRACKET, Conduit, Pole Riser

SCL Matl. Std.: 6867.50

Stock Unit: EA

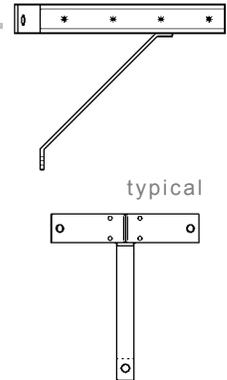
Bracket Without Brace

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



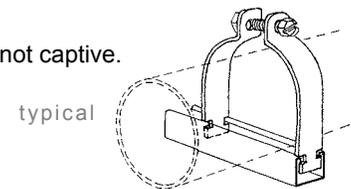
STRAP, Strut Pipe / Conduit, Light Duty

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	Wesanco
689754E	1/2	no	400	P1211EG	W-6026
689757E	3/4	no	400	P1212EG	W-6028
689759E	1	no	400	P1213EG	W-6030

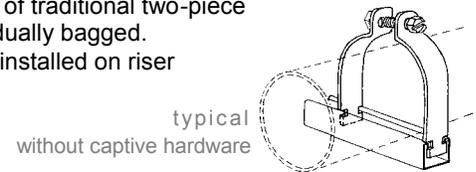
STRAP, Strut Pipe / Conduit, Heavy Duty

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

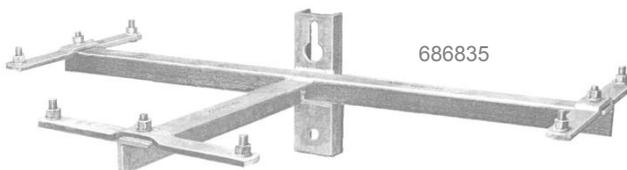


Stock No.	Conduit Size, in	Captive Hardware?	Static Load Rating, lbs., minimum	Approved Manufacturers	
				Caddy/ Erico	Wesanco
689760E	1	yes	600	RIGD0100EG	-
689761E	1-1/4	yes	600	RIGD0125EG	-
689762E	1-1/2	yes	800	RIGD0150EG	-
689764E	2	yes	800	RIGD0200EG	-
689766E	2-1/2	yes	800	RIGD0250EG	-
689768E	3	yes	800	RIGD0300EG	-
689770E	3-1/2	yes	1000	RIGD0350EG	-
689772E	4	yes	1000	RIGD0400EG	-
689774E	5	no	1000	-	W-6162A

Support Materials – Pole Mounted Brackets

TERMINATOR AND ARRESTER MOUNTING BRACKET

Per SCL Matl. Std.: none
 Stock Unit: EA



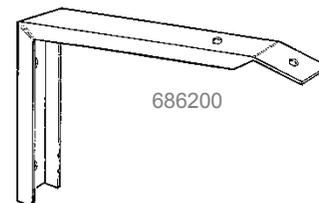
Stock No.	Application	Manufacturer and Catalog No.	SCL Drawing No.
686830	for 1 phase UG	Aluma-Form 1HCA	–
686835	for 3 phase UG	MacLean/Dixie D-27211-GA Hughes Bros B2251-D	–
013658	equipment strap for Stock No. 686835	Line Hardware #MS-12A	–

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).



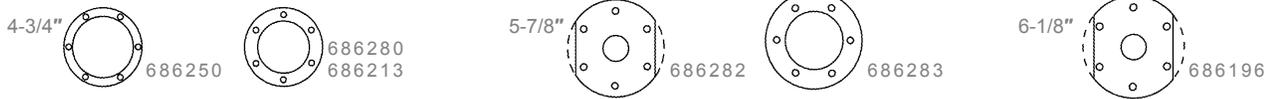
BRACKET, Cable Support with J-Bolt

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



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.

- The bushing, or well, is shop welded to the adapter ring, each is one kit.
- 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.				Material Standard
On Transformer	From	To	Bushing with Adapter Ring Kit	Bushing Alone	Adapter Ring Alone	Gasket	
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

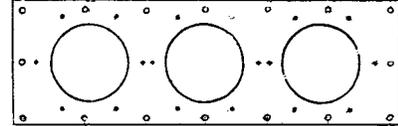
Convert			Stock No			
On Transformer	From	To	Adapter Ring	Bushing	Gasket	Material Standard
13 kV Ntwk	13 kV PATR 1701	90° bushing	686280	687009	686386	6863.5
26 kV Ntwk	26 kV PATR 1802	90° bushing	686283	687009	686281	6863.5

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



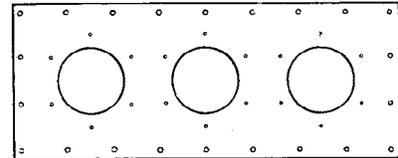
Stock No.	Item	Application	Pothead or Bushing	Pothead or Bushing Stock No.	Bolt Circle
686202	Adapter Plate	To replace 3/C 27 kV G & W pothead, TRA 3855C	PATR 1802	686482	5-7/8"
686204	Adapter Plate	To replace 3/C 27 kV G & W pothead, TRA 3855C	PATR 1873	686461	6-5/8"
686205	Adapter Plate	To replace 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

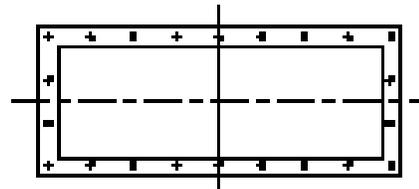
To replace 3/C 34.5 kV G & W potheads. Flowerpots consist of 3 - 200 ampere bushing wells (Stock No. 686434) welded into adapter plate to be available for emergency use.
 Per City Light Matl. Std. 6862.4
 Stock Unit: EA



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

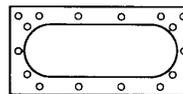
GASKET, Terminator Adapter Plate

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

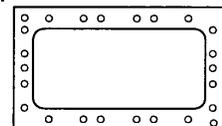


GASKETS, Trans. To Network. Protectors

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

STOCK CATALOG**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

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**Manufacturer:** Made by City Light Steel Shop**Stock No.:** 720710**BACKFILL – FLUIDIZED THERMAL BACKFILL (FTB)****Description:** A thermally conductive concrete and low strength material used as backfill for trenches to encase electrical conduits (duct banks). It can also be used for pole installation as backfill instead of crushed rock. Because FTB is a mixed-to-order product, it is not stocked in Seattle City Light inventory.**SCL Material Standard:** 7150.00**Stock Unit:** CYU**Approved Suppliers:** Cadman, Inc.; CalPortland; Salmon Bay Sand and Gravel; Stoneway Concrete (Plant 11); Stoneway Concrete (Plant 14)

Stock No.	Description
013711	High-strength FTB
013712	Low strength FTB

INFLATABLE DUCT SEALING DEVICES

INFLATABLE DUCT SEALING SYSTEM, Rayflate Duct Sealing System (RDSS)

Description: The RDSS is designed to provide a waterproof seal around power cables in ducting systems. It helps to prevent flooding in cable vaults, access manholes, substation basements, and customer feeds. The system may be used with plastic, concrete or steel ducting systems.

The RDSS consists of an inflatable bladder of flexible metallic laminate and a sealing clip. The system comes in different kits, corresponding to number of cables and cable diameter. The number of cables determines the system size, as well as the number of clips to use.

Depending on the duct diameter, most Rayflate bladders seal vacant ducts and ducts containing up to two cables.

Sealing of three or more cables can be achieved by inserting a mastic sealant clip between the cables. The clip is made from a high-temperature mastic mounted on an installation stick.

SCL Material Standard: None

SCL Work Practice: 0224.37

Stock Unit: EA

Selection Guide

Number of Cables in Duct	Duct ID ¹ Range (in)	Max. Cable or Cable Bundle Diameter (in)	Raychem Inflation Kit	SCL Stock No.	Clip Part No. / No. of clips	SCL Stock 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

¹ Inner Diameter

STOCK CATALOG**CONDUIT SEALING DEVICES****FIRE BARRIER PLUG****Description:** Intumescent, non-hardening plug (biscuit).**SCL Material Standard:** none**Stock Unit:** EA

Stock Number.	Conduit Size, in	Hilti Catalog Number
012520	2	00378287
012521	4	00378288

FIRE BARRIER SEALANT**Description:** Flexible, fire barrier, silicone- or acrylic-based sealant in nominal 10.1 fluid ounce 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	CP 25WB+	10.1 fluid ounce
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 No.	Description	Size, (I.D) W x L x D (in)
013182	231 handhole base	24 x 36 x 12
013183	233 handhole base	24 x 36 x 36
013184	Cover slab, w/ 2' x 3' NS hatch, "Electric"	24 x 36 x 06
013185	Cover slab, w/ 2' x 3' NS hatch, "SL"	24 x 36 x 06
013484	Cover slab, w/ 2' x 3' NS hatch, "SL/TC"	24 x 36 x 06
013180	231 handhole w/ Cover, "Electric"	24 x 36 x 18
013181	231 handhole w/ Cover, "SL"	24 x 36 x 18
720388	233 handhole w/ Cover, "Electric"	24 x 36 x 42
013179	233 handhole w/ Cover, "SL"	24 x 36 x 42
013485	233 handhole w/ Cover, "SL/TC"	24 x 36 x 42

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



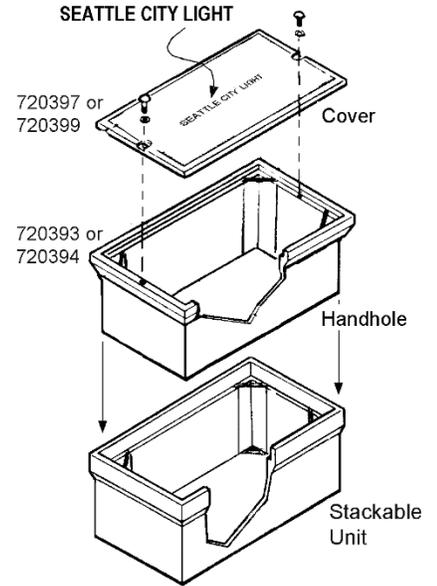
Stock No.	Item	Size, W x L x D (in)
012978	Handhole only	17 x 28 x 12
720402	Extension	17 x 28 x 12
012660	Cover, "Electric"	17 x 28
012979	Cover, "SL"	17 x 28
012945	Handhole with cover, "SL"	14 x 19 x 12
720391	Handhole with cover, "Electric"	17 x 28 x 12
013178	Handhole with cover, "SL"	17 x 28 x 12

FIBERGLASS OR COMPOSITE HANDHOLE, Riser and Cover

Description: Handhole and cover. Order as separate items.

SCL Matl. Std.: 7203.12

Stock Unit: EA



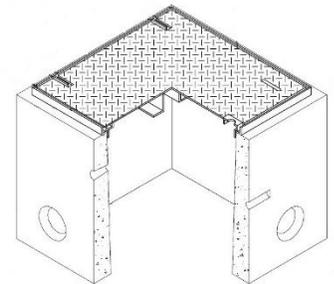
Stock No.	Item	Size, W x L x D (in)
720393 ‡	Handhole	17 x 30 x 12
720397	Cover	17 x 30 x 3/4
720394	Handhole	24 x 36 x 18
720399	Cover	24 x 36 x 2

CONCRETE HANDHOLE, with Cover, "3030"

Description: Precast concrete secondary handhole with galvanized slip resistant cover.

SCL Matl. Std.: 7203.08

Stock Unit: EA



Stock No.	Item	Size, W x L x D (in)
013186	3030 Handhole Assembly	30 x 30 x 25.5
013187	3030 Handhole only	30 x 30 x 24
013188	3030 Frame and Cover only	28 x 28 x 1.5

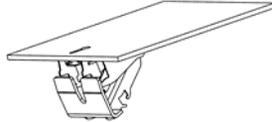
Handholes and Accessories

CONCRETE HANDHOLE, Locking Cover, Streetlight

Description: Steel, streetlight locking cover, galvanized and slip resistant. For streetlight handholes only. Has proprietary lock, accessible only by Stock No. 014173.

SCL Matl. Std.: 7204.16

Stock Unit: EA



Stock No.	Description
014171	Locking cover for Type 1 handhole frame
014172	Locking cover for Type 2 handhole frame

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	Loading	<i>Use with Frame</i>		Material Standard
					UV Cat. Number or SCL Stock Number	Notes	
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 VOID BLOCK OUTS

Description: Rubber forms, issued in pairs.

Application: For installing pulling irons (Stock No. 720235) in cast-in-place and walk-in vaults.

SCL Matl. Std.: none

Stock Number: 013525

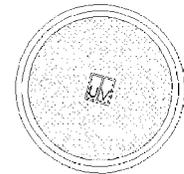


COVER

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



Stock Number	Description	Nominal Dimension, Foot-Inch			Nominal Dimension, Inch	
		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

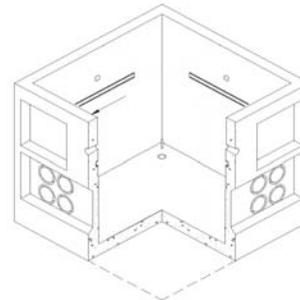
CONCRETE VAULT, "504"

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



Stock Number	Description	Nominal Dimension, Foot-Inch			Nominal Dimension, Inch	
		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

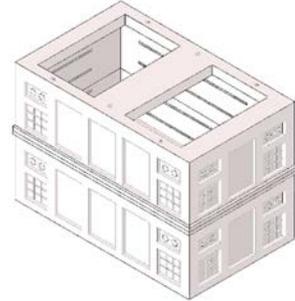
Concrete Vault, "712"

Description: Precast concrete vault assemblies and components with galvanized non-slip covers.

Application: 712 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.

Matl. Std.: 7203.46

Issuance: EA



Stock No.	Description	Nominal Inside Dimension (ft-in)			Nominal Inside Dimension (in)		Loading
		Length	Width	Depth	Door/Opening		
013116	712 vault w/ hatch and round cover access	12-3	7-2	7-6	Two 72 in x 36 in hatches		H20
013117	712 vault w/ two round cover access	12-3	7-2	7-6	Two 42-in round		H20
013118	712 vault w/ hatch and round cover access, offset to right (Type 1)	12-3	7-2	7-6	72 in x 36 in hatch and 42-in round, offset to left (Type 1)		H20
013119	712 vault w/ hatch and round cover access, offset to right (Type 2)	12-3	7-2	7-6	72 in x 36 in hatch and 42-in round, offset to right (Type 2)		H20
013112	712 vault base	12-3	7-2	3-9	-		-
013113	712 top with two 78 in x 50 in blockouts	12-3	7-2	3-9	Two 72 in x 36 in hatches		H20
013114	712 top w/ 78 in x 50 in blockouts and 42-in round blockout, offset to left (Type 1)	12-3	7-2	3-9	72 in x 36 in hatch and 42-in round, offset to left (Type 1)		H20
013115	712 top w/ 78 in x 50 in blockouts and 42-in round blockout, offset to right (Type 2)	12-3	7-2	3-9	72 in x 36 in hatch and 42-in round, offset to right (Type 2)		H20
013395	712 top, with two 42-in round blockouts	12-3	7-2	3-9	Two 42-in round		H20

Precast Vaults and Accessories

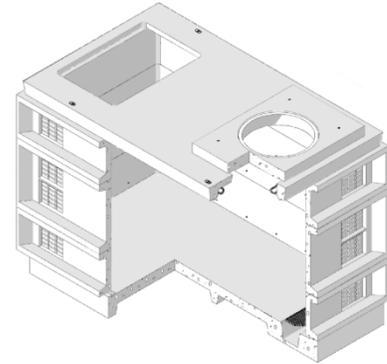
Concrete Vault, "814"

Description: Precast concrete vault assemblies and components with galvanized non-slip covers.

Application: 814 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.

Matl. Std.: 7203.51

Issuance: EA



Stock No.	Description	Nominal Inside Dimension (ft-in)			Access	
		Length	Width	Depth	Door/Opening	Loading
013130	Base , standard vault	14-0	8-0		—	—
013131	Riser , mid-section – 30 in	14-0	8-0	2-6	—	—
013132	Riser , mid-section – 48 in	14-0	8-0	4-0	—	—
013133	Top , w/ two 76 in x 50 in blockouts	—	—	—	—	—
013134	Top , w/ 76 in x 50 in blockouts and 42-in round blockouts, offset to left (Type 1)	—	—	—	—	—
013135	Top , w/ 76 in x 50 in blockouts and 42-in round blockouts, offset to right (Type 2)	—	—	—	—	—
013136	Assembly , 8-ft high vault	14-0	8-0	8-0	1 Equipment, 1 Personnel	H20
013137	Assembly , 8-ft high vault, offset to left (Type 1)	14-0	8-0	8-0	1 Equipment, 1 Personnel	H20
013138	Assembly , 8-ft high vault, offset to right (Type 2)	14-0	8-0	8-0	1 Equipment, 1 Personnel	H20
013139	Assembly , 9-ft high vault	14-0	8-0	9-0	1 Equipment, 1 Personnel	H20
013140	Assembly , 9-ft high vault with two 42-in round accesses	14-0	8-0	9-0	2 Personnel	H20
013141	Assembly , 9-ft high vault, offset to left (Type 1)	14-0	8-0	9-0	1 Equipment, 1 Personnel	H20
013142	Assembly , 9-ft high vault, offset to right (Type 2)	14-0	8-0	9-0	1 Equipment, 1 Personnel	H20
013143	Assembly , 10-ft high vault	14-0	8-0	10-0	1 Equipment, 1 Personnel	H20
013144	Assembly , 10-ft high vault with two 42-in round accesses	14-0	8-0	10-0	2 Personnel	H20
013145	Assembly , 10-ft high vault, offset to left (Type 1)	14-0	8-0	10-0	1 Equipment, 1 Personnel	H20
013146	Assembly , 10-ft high vault, offset to right (Type 2)	14-0	8-0	10-0	1 Equipment, 1 Personnel	H20
013161	Assembly , 8-ft high vault with H-30 door hatch and one 42-in round access	14-0	8-0	8-0	1 Equipment, 1 Personnel	H30
013162	Assembly , 8-ft high vault with H-30 door hatch and one 42-in round access, offset to left (Type 1)	14-0	8-0	8-0	1 Equipment, 1 Personnel	H30
013163	Assembly , 8-ft high vault with H-30 door hatch and one 42-in round entry access, offset to right (Type 2)	14-0	8-0	8-0	1 Equipment, 1 Personnel	H30

Precast Vaults and Accessories

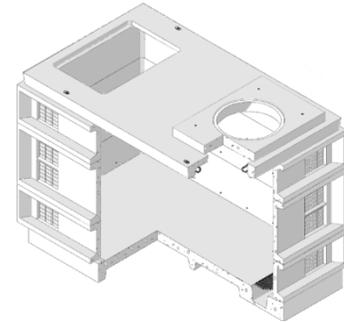
Concrete Vault, "818"

Description: Precast concrete vault assemblies and components with galvanized non-slip covers.

Application: 818 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.

Matl. Std.: 7203.56

Issuance: EA



Stock No.	Description	Nominal Inside Dimension (ft-in)			Access	
		Length	Width	Depth	Door/Opening	Loading
013443	Base , standard vault	18-0	8-0	-	-	-
013444	Riser , mid-section – 30 in	18-0	8-0	2-6	-	-
013445	Riser , mid-section – 48 in	18-0	8-0	4-0	-	-
013446	Top , w/ two 76 in x 50 in blockouts	-	-	-	-	-
013447	Top , w/ 76 in x 50 in blockouts and 42-in round blockouts, offset to left (Type 1)	-	-	-	-	-
013448	Top , w/ 76 in x 50 in blockouts and 42-in round blockouts, offset to right (Type 2)	-	-	-	-	-
013449	Assembly , 8-ft high vault	18-0	8-0	8-0	1 Equipment, 1 Personnel	H20
013450	Assembly , 8-ft high vault, offset to left (Type 1)	18-0	8-0	8-0	1 Equipment, 1 Personnel	H20
013451	Assembly , 8-ft high vault, offset to right (Type 2)	18-0	8-0	8-0	1 Equipment, 1 Personnel	H20
013452	Assembly , 9-ft high vault	18-0	8-0	9-0	1 Equipment, 1 Personnel	H20
013453	Assembly , 9-ft high vault, offset to left (Type 1)	18-0	8-0	9-0	1 Equipment, 1 Personnel	H20
013454	Assembly , 9-ft high vault, offset to right (Type 2)	18-0	8-0	9-0	1 Equipment, 1 Personnel	H20
013455	Assembly , 10-ft high vault	18-0	8-0	10-0	1 Equipment, 1 Personnel	H20
013456	Assembly , 10-ft high vault, offset to left (Type 1)	18-0	8-0	10-0	1 Equipment, 1 Personnel	H20
013457	Assembly , 10-ft high vault, offset to right (Type 2)	18-0	8-0	10-0	1 Equipment, 1 Personnel	H20
013458	Assembly , 8-ft high vault with H-30 door hatch and one 42-in round access	18-0	8-0	8-0	1 Equipment, 1 Personnel	H30
013459	Assembly , 8-ft high vault with H-30 door hatch and one 42-in round access offset to left (Type 1)	18-0	8-0	8-0	1 Equipment, 1 Personnel	H30
013460	Assembly , 8-ft high vault with H-30 door hatch and one 42-in round access, offset to right (Type 2)	18-0	8-0	8-0	1 Equipment, 1 Personnel	H30

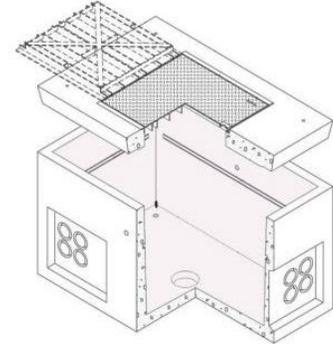
Precast Vaults and Accessories

Concrete Vault, "644"

Description: Precast concrete vault assemblies and components with galvanized non-slip covers.

644 vaults are used in the construction of underground electric systems. This precast concrete structure may be used to house loadbreak junction boxes and to make service connections and splices for the distribution system. These vaults are H20 rated and have a solid, non-slip, 36-in square hatch.

Matl. Std.: 7203.61
Stock Unit: EA



Dimensions

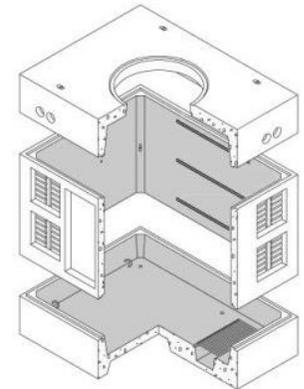
Stock No.	Description	Outside			Inside		
		Length	Width	Height	Length	Width	Height
013731	Base	6' 0"	4' 0"	3' 6"	5' 6"	3' 6"	3' 2"
013732	Cover, with solid hatch	6' 0"	4' 0"	0' 6"	5' 6"	3' 6"	—
013733	Assembly, base and cover	6' 0"	4' 0"	4' 0"	5' 6"	3' 6"	3' 2"

Concrete Vault, "687"

Description: Precast concrete vault assemblies and components with galvanized non-slip covers.

687 vaults are used in the construction of underground electric systems. This precast concrete structure may be used to house medium-size transformers, loadbreak junction boxes, and to make service connections and splices for the distribution system. A 42-in round iron frame (Stock No. 012753) and cover (Stock Nos. 720226 or 720466) will be required with the 42-in blockout access top section.

Matl. Std.: 7203.66
Stock Unit: EA



Dimensions

Stock No.	Description	Outside			Inside		
		Length	Width	Height	Length	Width	Height
013734	Base, standard 687	8' 8"	6' 8"	1' 10"	8' 0"	6' 0"	1' 0"
013735	Mid-section	8' 8"	6' 8"	4' 10"	8' 0"	6' 0"	4' 9"
013736	Cover, with round access	8' 8"	6' 8"	1' 10"	8' 0"	6' 0"	1' 3"
013737	Assembly (base, mid-section, and cover with round access)	8' 8"	6' 8"	8' 6"	8' 0"	6' 0"	7' 0"

Equipment Pads and Accessories

Equipment Pad, Transformer

Description: Precast reinforced concrete transformer pad with blockouts.

Precast transformer pads are used as a platform for transformers or switchgear. Due to their size, transformer pads will not be stocked in SCL inventory. Engineers and the Civil Crew Chief are required to order and specify delivery of these items.

Matl. Std.: 7203.76

Stock Unit: EA



Stock No.	Description	Dimensions, nominal (ft-in)			Dimensions, nominal (in)
		Length	Width	Height	Blockout (W x L)
013721	Single-phase transformer pad	4-0	4-8	0-6	22 x 14
013722	Three-phase transformer pad (75–300 kVA)	7-0	7-0	0-6	60 x 16
013723	Three-phase transformer pad (500–1500 kVA)	8-0	7-9	0-6	60 x 16
013724	Three-phase transformer pad (2000–2500 kVA)	8-0	10-0	0-8	60 x 24

Precast Vaults and Accessories

Concrete Vault, 507

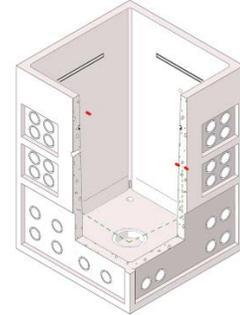
Description: Precast concrete vault assemblies and components with galvanized non-slip covers.

507 (also known as 557) vaults are used to construct 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.

Stock numbers 013124 and 012124 are H20 rated.

Matl. Std.: 7203.36

Stock Unit: EA



Dimensions, nominal

Stock No.	Description	Length (ft-in)	Width (ft-in)	Height (ft-in)	Door/Opening (in)
013101	Base	4-8	4-8	6-6	-
013102	Cover, with vented hatch	4-8	4-8	0-6	36 x 36
013124	Assembly, with vented hatch	4-8	4-8	7-0	36 x 36
013688	Cover, with round access	4-8	4-8	0-6	42
013169	Assembly, with round access	4-8	4-8	7-0	42

Concrete Vault, 577

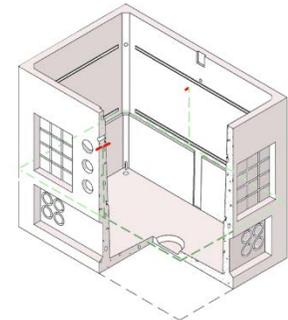
Description: Precast concrete vault assemblies and components with galvanized non-slip covers.

577 vaults are used to construct 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.

All covers and assemblies are H20 rated except for Stock No. 013151 which is H30 rated.

Matl. Std.: 7203.41

Stock Unit: EA



Dimensions, nominal

Stock No.	Description	Length (ft-in)	Width (ft-in)	Height (ft-in)	Door/Opening (in)
013089	Base	7-0	4-8	6-0	-
013090	Removable divider wall	0-3	4-8	6-0	-
013091	Cover, with solid hatch	7-0	4-8	1-0	(2) 36 x 36, non-slip, solid
013092	Cover, with vented hatch	7-0	4-8	1-0	(1) 36 x 36, non-slip, solid (1) 36 x 36, grated vent
013151	Cover, with H30 hatch	7-0	4-8	1-0	(2) 34 x 37, solid
013125	Assembly	7-0	4-8	7-0	(2) 36 x 36, non-slip, solid
013126	Assembly, with divider wall	7-0	4-8	7-0	(1) 36 x 36, non-slip, solid (1) 36 x 36, grated vent
013127	Assembly, with divider wall	7-0	4-8	7-0	(2) 36 x 36, non-slip, solid

Precast Vaults and Accessories

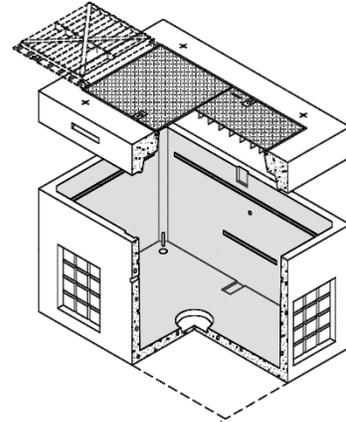
Concrete Vault, "575"

Description: Precast concrete vault assemblies and components with two H-20 galvanized non-slip covers.

Application: 575 vaults are used in the construction of underground electric systems. This precast concrete structure may be used to house loadbreak junction boxes and to make service connections and splices for the distribution system. These vaults are H-20 rated and have two solid, non-slip, 36-in square hatches.

Matl. Std.: 7203.38

Stock Unit: EA



Dimensions

Stock No.	Description	Outside			Inside		
		Length	Width	Height	Length	Width	Height
014370	Base	7' 0"	4' 8"	4' 0"	6' 6"	4' 2"	3' 8"
014371	Cover, with solid hatch	7' 0"	4' 8"	1' 0"	6' 6"	4' 2"	—
014372	Assembly, base and cover	7' 0"	4' 8"	5' 0"	6' 6"	4' 2"	4' 8"

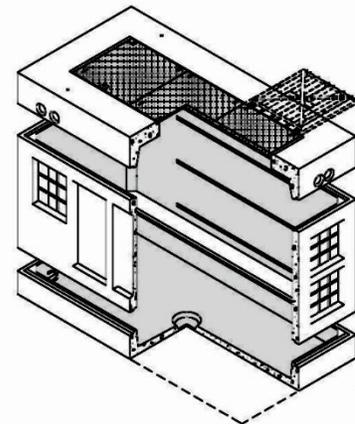
Concrete Vault, "5106"

Description: Standard precast concrete 5106 vault assemblies consist of a base, a mid-section, and a cover with three H-20 non-slip hatches.

Application: 5106 vaults are used in the construction of underground electric systems. The vault may be used to house medium-size transformers, load break junction boxes, service connections, and splices for the distribution system.

Matl. Std.: 7203.71

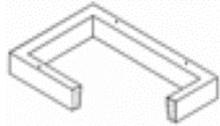
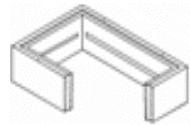
Stock Unit: EA

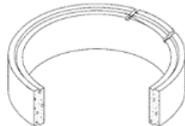
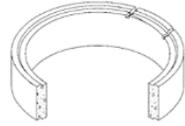
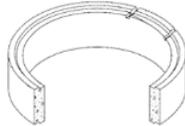


Dimensions

Stock No.	Description	Outside			Inside		
		Length	Width	Height	Length	Width	Height
013863	Base	11' 2"	5' 8"	1' 0"	10' 6"	5' 0"	0' 8"
013864	Mid-section	11' 2"	5' 8"	4' 10"	10' 6"	5' 0"	4' 10"
013865	Cover, with solid hatch	11' 2"	5' 8"	1' 4"	10' 6"	5' 0"	0' 8"
013866	Assembly (base, mid-section, and cover with hatches)	11' 2"	5' 8"	7' 2"	10' 6"	5' 0"	6' 2"

Precast Vaults and Accessories

Concrete Vault, Rectangular Risers		
Description: Precast concrete risers are used to bring the underground vault access to grade. Matl. Std.: 7204.15 Stock Unit: EA		
Stock No.	Rectangular Riser	
013105	5-ft x 7-ft x 6-in riser without galvanized "C" channel	
013106	5-ft x 7-ft x 18-in riser with galvanized "C" channels	
013362	5-ft x 7-ft x 24-in riser with galvanized "C" channels	

Concrete Vault, Round Risers		
Description: Precast concrete risers are used to bring the underground vault access to grade. Matl. Std.: 7204.15 Stock Unit: EA		
Stock No.	Round Riser	
013107	42-in diameter x 4-in high round riser	
013108	42-in diameter x 6-in high round riser	
013109	42-in diameter x 12-in high round riser	

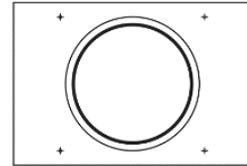
Continued on the next page

Concrete Vault, Covers

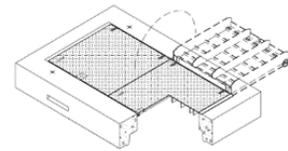
Description: Precast concrete vault covers with galvanized non-slip hatches and risers are used to construct electric vaults.
Matl. Std.: 7204.15
Stock Unit: EA

Stock No. Cover

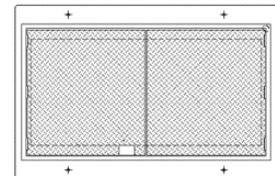
013110 5-ft x 7-ft cover with one 42-in round access opening



013111 5-ft x 7-ft adjustable cover with two, H-20, 3-ft x 3-ft solid hatches



013153 5-ft x 7-ft cover with two H-30 solid hatches



**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.

NOTE: The components on this page are being phased out. They have been replaced by cold-shrink technology. See Material Standard 6863.20, "Elbows, Deadbreak, Cold Shrink, 600 A, 125 kV BIL."



Matl. Std.: 6863.15
Stock Unit: EA
Stock No. 686350 (T-body)

Cable Adapter Stock No.	Cable Stock No.	Rated Circuit Voltage (kV)	Type	Size (AWG/kcmil)	Shape	Shield Type
686310	623650	27	3-1/C+2N	#8	Compressed	Tape
	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	613222	5	1/C	350	Compressed	Tape
	601025	5	1/C	500	Class B	DW
686365	613530	15	3/C	350	Compact	Tape
	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
686352	613543	28	3/C+3G	350	Compact	Tape
	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
	613534	15	3/C	750	Compact	Tape
	602119	28	1/C	750	Compact	DW
686348	613618	28	1/C	750	Compact	DW
	012101	28	1/C	750	Compact	FS
	623660	35	1/C	750	Compressed	DW
686372	623670	15	3-1/C	1000	Compressed	FS
	012102	28	1/C	1000	Compact	FS
	613619	28	1/C	1000	Compact	DW
010137	613655	28	1/C	1000	Compressed	FS

Note: Adapters are not available for the following cables: Stock No. 613212, 613531, 613533, 974050, and 623655.

Elbows, Deadbreak, Cold Shrink, 600 A, 125 kV BIL

Elbows, Deadbreak, Cold Shrink, 600 A, 125 kV BIL

Description: An elbow (separable connector) 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.

These elbows are intended for use on the following three-phase, 60 Hz systems:

- 13.8 kV, 3-wire, delta, where load consists of network type transformers with delta-connected primary and grounded wye-connected secondary
- 26.4 kV, 4-wire, solidly-grounded, wye-connected

Cold shrink technology provides range-taking capability and eliminates the need for cable adapters.

Elbow kits contain everything needed to make up a splice including the conductor lug.

The conductor lugs used with the kits specified in this standard are not interchangeable with the lugs typically used with traditional elbows that incorporate cable adapters.

#1-1/0 AWG kits, Stock Nos. 014311 and 014314, includes a compression lug. The remaining kits include a shear-bolt style lug. All lugs are appropriate for either copper or aluminum conductors.

Elbow housings, Stock Nos. 014314, 014315, and 014316 include an integral 25 kV class, 200 A loadbreak tap. This tap is intended for testing and grounding purposes and not for carrying load. Elbows with integral loadbreak taps cannot be stacked.

Elbow kits, Stock Nos. 014312, 014313, 014315, and 014316 each include a copper ground adapter assembly. When splicing #1-1/0 AWG, round wire concentric neutral cable it is expected the concentric wires will be used to provide continuity.

Matl. Std.: 6863.20

Stock Unit: EA

Stock No. Description



Conductor Range (AWG/kcmil)

Stock No.	Description	Conductor Range (AWG/kcmil)
014311	Cold Shrink 600 A Elbow Kit with Copper-Top, Compression Lug ^a	#1 str-1/0 sol
014312	Cold Shrink 600 A Elbow Kit with Range-Taking, Shear Bolt ^a	350-500 str
014313	Cold Shrink 600 A Elbow Kit with Range-Taking, Shear Bolt ^a	750-1250 str
014314	Cold Shrink 600 A Elbow Kit with Copper-Top, Compression Lug and Integral 200 A Loadbreak Tap ^b	#1 str-1/0 sol
014315	Cold Shrink 600 A Elbow Kit with Range-Taking, Shear Bolt and Integral 200 A Loadbreak Tap ^b	350-500 str
014316	Cold Shrink 600 A Elbow Kit with Range-Taking, Shear Bolt and Integral 200 A Loadbreak Tap ^b	750-1250 str
014317	Range-Taking, Copper-Top Compression Lug for 600 A Elbow	#1 str-1/0 sol
014318	Range-Taking, Shear Bolt Lug for 600 A Elbow	350-500 str
014319	Range-Taking, Shear Bolt Lug for 600 A Elbow	750-1250 str

Notes:

^a See top image

^b See bottom image

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

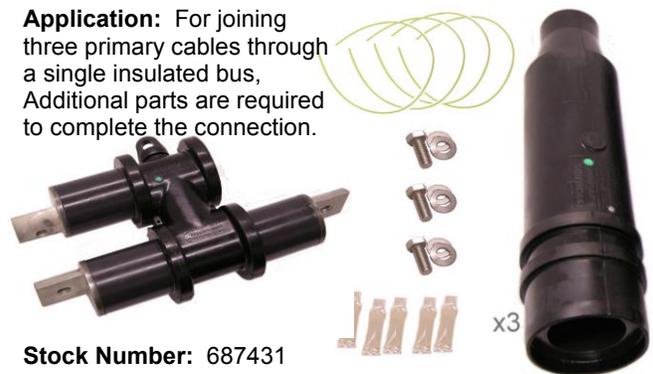
Application: For joining four primary cables through a single insulated bus, Additional parts are required to complete the connection.



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.

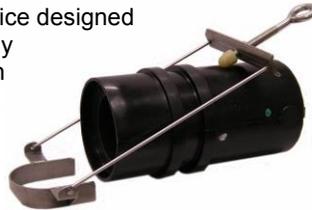
SCL Matl. Std. reference for this page: 6863.16

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.

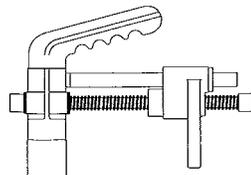
Stock Number: 687490



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	
687612	500 compressed	
687614	750 compact	
687615	1000 compact	

Accessories, Separable Connector, Bolted Type, Cable Joint Parts, 600 A, 125 kV BIL, Deadbreak

Cable Adapter Ring

Application: See Stock Catalog page 70-66a application statement.

Stock No.	Cable Stock No.	Rated Circuit Voltage (kV)	Type	Size (AWG/kcmil)	Shape	Shield Type
687604	613522	15	3/C	#1	Compressed	Tape
	613523	15	3/C	#1	Compressed	Tape
687606	613521	15	3/C	3/0	Compressed	Tape
	613526	15	3/C	3/0	Compressed	Tape
687610	613530	15	3/C	350	Compact	Tape
687012	010128	15	3/C	500	Compact	Tape
	613532	15	3/C	500	Compact	Tape
	623640	15	1/C	500	Compact	Tape
687614	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
	012102	28	1/C	1000	Compact	FS
687615	613619	28	1/C	1000	Compact	DW

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.: 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. Used by Shops to build Stock Numbers 686387, 686273 and 686197.

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.

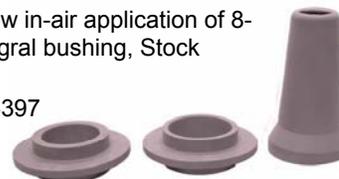
Stock Number: 686399



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

LOADBREAK 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 loadbreak system. Intended for installation on the back of an existing T-body to provide a 200 A interface for testing and grounding.

Stock Number: 013461



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

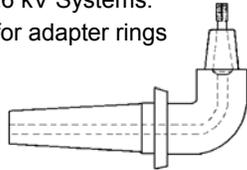


**ACCESSORIES, BUSHING, SEPARABLE CONNECTOR (ELBOW),
600 A, 125 kV BIL, DEADBREAK**

All Stock Units: EA

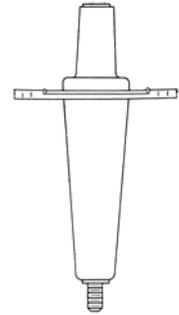
90 DEGREE BUSHING, Clamped**Application:** For transformer and switch conversion and repairs. For 13 kV and 26 kV Systems.

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. For in-air application, use with Stock Number 686397 (boot and collar.)

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

Description: 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.

Application: 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.

Assembly: Refer to SCL Construction Guidelines U5-17.10/NSP-305 or U5-2.8.4/NSP-300 for a list of the cable adapters, compression connectors and other parts necessary to make-up an assembly.

SCL Matl. Std.: 6863.25

Stock Unit: 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), SCL 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.

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 No.: 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 No.: 687270

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 687270, except one loose stud is provided.
Stock No.: 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 No.: 687340 (no longer available)

**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

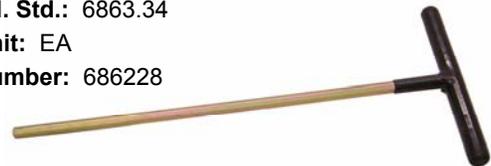
**T-WRENCH, 5/16-inch**

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



STEEL or WROUGHT IRON PIPE DATA

IPS Size		Standard		Extra Strong		Double Extra Strong	
Nomina I 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
710365	3/4
710366	1
710367	1-1/4
710368	1-1/2
710370	2-1/2

Pipe Fittings, Malleable Iron, Threaded

Nipples

Description: Pipe fittings are suitable for constructing potable water and drainage systems. Nominal pipe size (NPS) and iron pipe size (IPS) are considered interchangeable terms. Pipe fittings are Class 150. Pipe fittings are steel or malleable iron.

Matl. Std.: 7134.25
Stock Unit: EA



Stock No.	NPS	Length (in)
712862	1/4	3
712784	1/2	close
712804	"	1-1/2
712824	"	2
712864	"	3
712904	"	4
712785	3/4	close
712825	"	2
712786	1	close
712826	"	2
712846	"	2-1/2
712906	"	4
712789	2	close
712849	"	2-1/2
712869	"	3
712989	"	6
712854	"	12

Couplings

Description: Pipe fittings are suitable for constructing potable water and drainage systems. Nominal pipe size (NPS) and iron pipe size (IPS) are considered interchangeable terms. Pipe fittings are Class 150. Pipe fittings are steel or malleable iron.

Matl. Std.: 7134.25
Stock Unit: EA



Stock No.	NPS
711665	3/4
711666	1

Plugs, Square Head

Description: Pipe fittings are suitable for constructing potable water and drainage systems. Nominal pipe size (NPS) and iron pipe size (IPS) are considered interchangeable terms. Pipe fittings are Class 150. Pipe fittings are steel or malleable iron.

Matl. Std.: 7134.25

Stock Unit: EA



Stock No.	Head Type	NPS
713283	solid	1/4
713285	"	3/8
713287	cored	1/2
713289	"	3/4
713291	"	1
713297	"	2

Pipe Fittings, Malleable Iron, Threaded**90-Degree Elbows**

Description: Pipe fittings are suitable for constructing potable water and drainage systems. Nominal pipe size (NPS) and iron pipe size (IPS) are considered interchangeable terms. Pipe fittings are Class 150. Pipe fittings are steel or malleable iron.

Matl. Std.: 7134.25

Stock Unit: EA

Stock No.	NPS
711902	1/4
711904	1/2
711906	1
711909	2

**90-Degree Street Elbows**

Description: Pipe fittings are suitable for constructing potable water and drainage systems. Nominal pipe size (NPS) and iron pipe size (IPS) are considered interchangeable terms. Pipe fittings are Class 150. Pipe fittings are steel or malleable iron.

Matl. Std.: 7134.25

Stock Unit: EA

Stock No.	NPS
711945	3/4
711946	1
911947	1-1/4

**Bushings, Outside Hexagon**

Description: Pipe fittings are suitable for constructing potable water and drainage systems. Nominal pipe size (NPS) and iron pipe size (IPS) are considered interchangeable terms. Pipe fittings are Class 150. Pipe fittings are steel or malleable iron.

Matl. Std.: 7134.25

Stock Unit: EA

Stock No.	Size
711175	1/2 x 1/4
711181	1 x 3/4
711194	2 x 1-1/4
711195	2 x 1

**Caps**

Description: Pipe fittings are suitable for constructing potable water and drainage systems. Nominal pipe size (NPS) and iron pipe size (IPS) are considered interchangeable terms. Pipe fittings are Class 150. Pipe fittings are steel or malleable iron.

Matl. Std.: 7134.25

Stock Unit: EA

Stock No.	NPS
711345	3/4
711346	1
711349	2
711353	4



Pipe Fittings, Malleable Iron, Threaded**Unions**

Description: Pipe fittings are suitable for constructing potable water and drainage systems. Nominal pipe size (NPS) and iron pipe size (IPS) are considered interchangeable terms. Pipe fittings are Class 150. Pipe fittings are steel or malleable iron.

Matl. Std.: 7134.25

Stock Unit: EA



Stock No.	NPS
713826	1

Reducers

Description: Pipe fittings are suitable for constructing potable water and drainage systems. Nominal pipe size (NPS) and iron pipe size (IPS) are considered interchangeable terms. Pipe fittings are Class 150. Pipe fittings are steel or malleable iron.

Matl. Std.: 7134.25

Stock Unit: EA



Stock No.	Size
713389	1 x 3/4
713393	1-1/4 x 1
713400	2 x 1-1/2

Floor Flanges

Description: Pipe fittings are suitable for constructing potable water and drainage systems. Nominal pipe size (NPS) and iron pipe size (IPS) are considered interchangeable terms. Pipe fittings are Class 150. Pipe fittings are steel or malleable iron.

Matl. Std.: 7134.25

Stock Unit: EA



Stock No.	NPS
712105	3/4
712109	2

SEATTLE CITY LIGHT
STOCK CATALOG

stock class-page: **71-8**
 superseding: May 30, 2012
 effective date: October 30, 2013

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, or equal

SCL Matl. Std.: None
Stock Unit: EA

Stock No.	Size
713973	1/2"



VALVES, GLOBE, BRONZE, 125 Pound

Per Fed. Spec. WW-V-51, Type 1, Class A
 Approved Manufacturers: Grinnell, Hammond, Red & White, or equal

SCL Matl. Std.: None
Stock Unit: EA

Stock No.	Size
713904	1/2"



VALVES, GLOBE, 90 DEGREE, BRONZE, 125 pound

Per Fed. Spec. WW-V-51, Type II, Class A
 Approved Manufacturers: Grinnell, Hammond, Red & White, or equal

SCL Matl. Std.: None
Stock Unit: EA

Stock No.	Size
713926	1"



VALVES, BALL, BRONZE, W. O. G.

SCL Matl. Std.: None
Stock Unit: EA

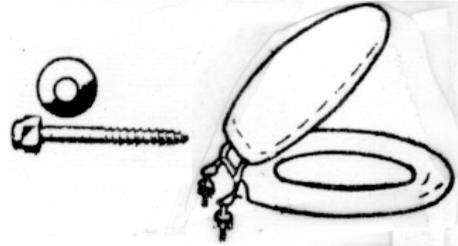
Stock No.	Size	Approved Manufacturers & No.
714076	1"	Apollo 75-105 Watts B600LL, or equal

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

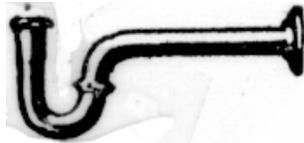
With metal stopper, cup type, 3-1/2" inside diameter, 1" deep,
 US26 finish - Per Fed. Spec. WW-P-541, Type 82.
 Stock Unit: EA

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

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

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

Stock Number	Size, in		Overall Length
	Nominal	Actual	
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 - A 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	Flint	Emery
		All Abrasives Except Flint and Emery		
Very Fine	400	10/0	-	-
	320	9/0	-	-
	280	8/0	-	-
	240	7/0	5/0	-
Fine	220	6/0	4/0	-
	-	-	3/0	-
	180	5/0	-	3/0
	150	4/0	2/0	2/0
	120	3/0	-	1/0
-	-	-	1/0	-

Grit	Grain	Arbitrary Numbers	Flint	Emery
		All Abrasives Except Flint and Emery		
Medium	100	2/0	-	-
	-	-	1/2	1/2
	80	1/0	-	-
	-	-	1	1-1/2
Coarse	60	1/2	-	2
	50	1	1-1/2	-
	-	-	2	2-1/2
	40	1-1/2	-	-
	-	-	2-1/2	-
Very Coarse	36	2	-	3
	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"

STOCK CATALOG**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

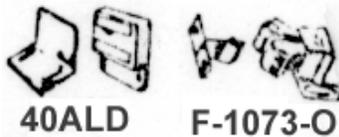
SYMBOL..... GENERAL DESCRIPTION

- 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
722293	Screen Door, Wrought Steel, US1 B Finish, Stanley 210

BOLTS, CELLAR WINDOW

US1B Finish
 Stock Unit: EA

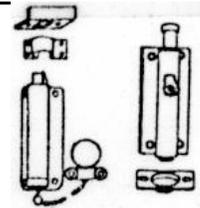
Stock No.	Size Inches
722046	2-1/2
722047	3



BOLTS, DOOR

6" Length, US1B Finish
 Per Fed. Spec. FF-H-00111
 Stock Unit: EA

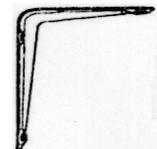
Stock No.	Description
722050	Chain, Type F-1023-A



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.** 723338 **Description** 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 Number	Size, in
722752	3



HOOKS, Cup, Brass

Stock Unit: EA

Stock Number	Size, in
722756	3/4
722758	1



HASP, Safety Type, with Loose Staple

Stock Unit: EA



Stock Number	Size, in	Note
722648	4-1/2	Material Control may evaluate and select this product without prior approval from Standards

SEATTLE CITY LIGHT
STOCK CATALOG

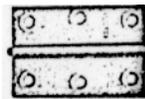
STOCK CLASS: **72**
PAGE: **14**
SUPERSEDING: March 12, 2001
DATE: June 22, 2017

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 838PS Hager 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



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

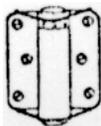
722738	6"	Sc908RBP	WS1908-US2H
722742	8"	Sc908RBP	WS1908-US2H

HINGES, SCREEN DOOR

Adjustable tension, wrought steel

Stock Unit: EA

Stock No.	Size Inches	Surface	Bommer Cat. No.
722686	3 x 3	Full	2100



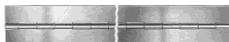
HINGE, STRIP, Undrilled Stainless

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, 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, 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, CABINET, Brass, Ornamental

Stock Unit: EA

Stock No.	Size	Type	Mfrs. Cat. No.
722666	1-7/8" X 3"	Box	Brainerd 75XC
722670	1-1/2" X 2-1/2"	Butter-fly	Stanley CD1475

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

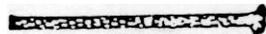
Stock No.	Size No.
727022	6
727023	8
727024	9

**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**

For **Stock No. 726934** please **Notify Warehouse** at least 2 hours prior to need. **Grade 100 alloy chain** (3/8-in) must be cut by steel shop. A work order number is **Required** for cutting.

Prior to 2014, chain was specified to be Grade 80. Older chain should not be expected to meet Grade 100 load limit requirements.

SCL Matl. Std.: 7273.10

Stock Unit: EA

Stock No.	Nominal Size (in)	Maximum Working Load Limit (lb)
726918	9/32	4300
726934	3/8	8800

CHAIN, Weldless Sash

SCL Matl. Std.: none

Stock Unit: FT



Stock No.	Trade No.	Breaking Load, Minimum (lb)	Material
726992	35	435	bronze

CHAIN, Passing Link

Description: 3/16-in, 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-in 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	10-12 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

Marking Paint and Flags

Spray Paint, Survey and Construction Marking

Description: 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.

Matl. Std.: 7240.80

Stock Unit: CN



Stock No.	Color	Base
724780	APWA brilliant white	Water
724786	APWA brilliant red	Water
724779	Fluorescent orange	Water
724785	APWA blue	Water
724787	APWA brilliant yellow	Water
013005	APWA red	Solvent

Marking Flags

Description: Red, 4 in x 5 in flag on 18-in-long steel wire staff, with NO SCL POWER printed in black letters. Flags are packages 100 per bundle. For use by locators to mark areas where no Seattle City Light power is present. A common application is in the fronts of homes that are fore sale and where traditional marking paint would be considered unsightly.

Matl. Std.: 7240.85

Stock Unit: BN



Stock No.: 014387

Building Material, Paint

PAINTS AND PRESERVATIVES FOR METAL

SCL Matl. Std.: none

Stock Number	Stock Unit	Description	Approved Products
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

ENAMEL GLOSS

Description: 13 oz. aerosol cans.

SCL Matl. Std.: None

Stock Unit: CN

Stock No.	Color	Krylon Catalog No.
724358	Black	1601
724512	Yellow	1816
724513	Safety Red	2116
724514	White	1501

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	-

STOCK CATALOG**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

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

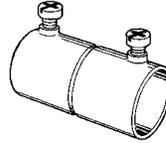
COUPLING, Set Screw, Thinwall, Steel

Description:

concrete tight when taped; per NEMA FB 1

SCL Matl. Std.: none

Stock Unit: EA



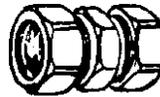
Stock No.	Size, in	RACO, or equal
012287	1/2	2022
012288	3/4	2023
012289	1	2024

COUPLING, Compression, Thinwall

Description: rain and concrete tight; per NEMA FB 1

SCL Matl. Std.: none

Stock Unit: EA



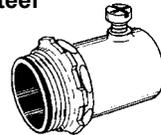
Stock No.	Size, in
731181	1/2
731182	3/4
731183	1

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

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

CONDUIT, Flexible, Liquidtight, Steel
SCL Matl. Std.: none
Stock Unit: FT

Stock No.	Trade Size (in)
012096	1/2
012097	3/4

CONDUIT, Flexible, Liquidtight, Non-Metallic
Description: UL-listed for outdoor use, sunlight resistant
SCL Matl. Std.: none
Stock Unit: FT
Mfr.: Carlon
Cat. No.: 15005-100



Stock No.	Trade Size (in)
013544	1/2

CONNECTOR, Flexible, Liquidtight, Insulated
SCL Matl. Std.: none
Stock Unit: EA

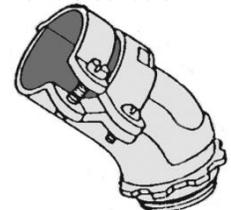
Stock No.	Type	Trade Size (in)
012088	straight	1/2
012089	straight	3/4
012090	90 degree	1/2
012091	90 degree	3/4

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

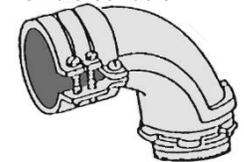


ANGLE CONNECTOR, 45 Degree, Squeeze
Application: for flexible conduit
SCL Matl. Std.: none
Stock Unit: EA



Stock No.	Trade Size (in)	Appleton Cat. No.
731047	1/2	7246 V

ANGLE CONNECTOR, 90 Degree, Squeeze
Application: for flexible conduit
SCL Matl. Std.: none
Stock Unit: EA



Stock No.	Trade Size (in)	Appleton Cat. No.
731050	1/2	7381 V
731051	3/4	7382 V
731052	1	7383

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

CONNECTOR, Aluminum Sheath Terminator

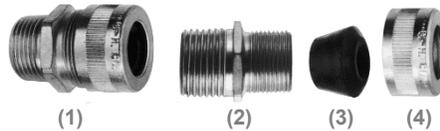
Description: with heat shrink sealing; size range 0.25 to 0.65 inches

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



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
733154	bushing (4)	BUSH95

CONNECTOR, 1/2-Inch, Straight Body Male Thread



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.: 7050.19

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.
 This item replaced by
 PVC entrance caps
 (Matl. Std. 7314.15);
 will be used to
 depletion.



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; for use with oval
 service entrance cable. Two
 holes, 9/6-in dia. zinc die
 cast; cable size: 3 - #2.



Matl. Std:	None
Stock Unit:	EA
Stock No.	Bridgeport Cat. No.
731439	1220

Service Entrance Conduit Cap

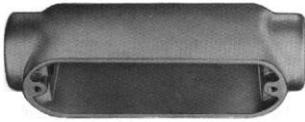
Description: PVC, threadless;
 replacement for
 aluminum entrance caps



Matl. Std:	7314.15
Stock Unit:	EA
Stock No.	Trade Size (in)
013570	1/2
013571	3/4
013572	1
013573	1-1/4
013574	1-1/2
013575	2
013576	2-1/2
013577	3
013578	3-1/2
013579	4

CONDULETS

TYPE "C", Al or Steel



Description: aluminum or galvanized steel, complete with gasket and cover

SCL Matl. Std.: 7050.17

Stock Unit: EA

Stock No.	Trade Size, in
732527	1/2
732528	3/4

TYPE "LB", Al or Steel



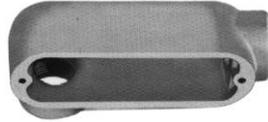
Description: aluminum or galvanized steel, complete with gasket and cover

SCL Matl. Std.: 7050.17

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



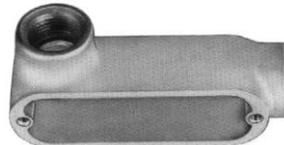
Description: aluminum or galvanized steel, complete with gasket and cover

SCL Matl. Std.: 7050.17

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.: 7050.17

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.
732613	1	Prime Conduit E985F

TYPE "T", Al or Steel



Description: aluminum or galvanized steel, complete with gasket and cover

SCL Matl. Std.: 7050.17

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
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
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 nonmetallic 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



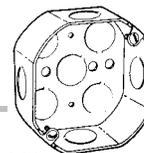
Stock No.	Manufacturer and Catalog No.	
	Appleton	T&B
731402	SECL 3-U	1345

SEATTLE CITY LIGHT STOCK CATALOG

STOCK CLASS: **73-17**
 SUPERSEDING: June 23, 2011
 EFFECTIVE DATE: October 30, 2013

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

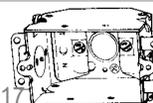
SQUARE BOXES, OUTLET, with Conduit Knockouts

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
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.



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-1/2	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	Sylvania
734569	1/2	AO4-12	
734572	3/4	AO4-34	



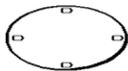
OUTLET BOX COVER

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.	
		Carlton	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

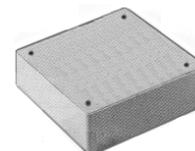


JUNCTION BOX

Description: Painted steel with knockouts and screw fastened cover.

SCL Matl. Std.: none

Stock Unit: EA



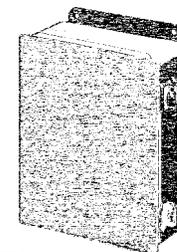
Stock No.	Size, in	Manufacturers and Cat. No.	
		Circle AW/ B-Line Catalog	Hoffman
686580	6 x 6 x 4	664SC	A-SE6X6X4
010317	10 x 10 x 4	10104SC	A-SE10X10X4

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
731284	2 x 1-1/2



WIRING DEVICES - OUTLET BOX COVERS

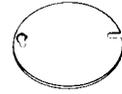
ROUND COVERS, OUTLET AND SWITCH BOX

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

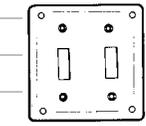
Material Standard: none

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

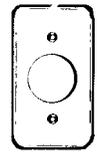
Material Standard: none

Stock Unit: EA

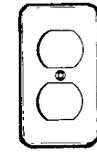
Stock No.	Description	To Fit Box No.	Manufacturer Catalog Numbers			
			Appleton	Bowers	Raco	Steel City
732305	Flat - Blank	732130	2540	100	860	58-C-1
732307	Single Outlet	732130	2539	100-SR	863	58-C-5
732309	Duplex Outlet	732130	2510	100-DR	864	58-C-7
732311	Toggle Switch	732130	2594	100-TS	865	58-C-30
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

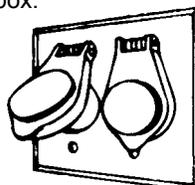
COVERPLATE, WEATHERPROOF

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
1 - 15R
2 POLE, 2 WIRE
UNGROUND
15A, 125V



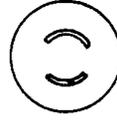
PARALLEL
5 - 15R
2 POLE, 3 WIRE
GROUND
15A, 125V



TANDEM
6 - 15R
2 POLE, 3 WIRE
GROUND
15A, 250V



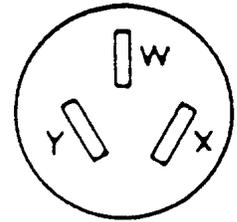
POLARIZED
2 - 20R
2 POLE, 2 WIRE
UNGROUND
20A, 250V



LOCKING
L2 - 20R
2 POLE, 2 WIRE
UNGROUND
20A, 250V



CROWFOOT
10 - 20R
3 POLE, 3 WIRE
GROUND
20A, 125/250V



CROWFOOT
10 - 50R
3 POLE, 3 WIRE
GROUND
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 on 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	

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	
733041	Duplex, parallel slots with ground, back and side wired, with 4-in 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	

LAMP HOLDERS

SCL Material Standard: None (except 7331.0 for 733099E)

Stock Unit: EA

Stock No.	Description	
733082	Porcelain, for 4-in outlet box, with pull chain, heavy duty, 250V, 250W; Leviton 29816-C	
733083	Porcelain, for 4-in outlet box, with pull chain and 125V, 15A grounding outlet, 125V, 250W; Bryant 5291, Circle 854-S, P&S 35, and Leviton 9726-C	
733115	Porcelain, for 4-in outlet box, keyless, 250V, 660W; AH 111, Bryant 5228, Hubbell 3923, and P&S 110	
733116	Plastic, for 4-in outlet box, keyless, 250V, 660W; Eagle S1174W	
733084	Porcelain, ring-type, unglazed, 250V, 660 W; Leviton 9350, Hubbell 59108	
733090	Porcelain, surface mount low, glazed, 250V, 660W; Leviton 9880, Hubbell 9402	
733099E	Composition, weatherproof, with 4-1/2-in #14 stranded leads, 600V, 300W	

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 No.	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

STAINLESS STEEL WALL PLATES

SCL Matl. Std.: none

Stock Unit: EA

Stock No.	Description	Sierra Catalog No.
733429	1 gang for 1 switch	S-1N
733430	1 gang, 1 duplex outlet	S-8N
733432	1 gang - blank	S-13N

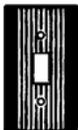
NYLON WALL PLATES

SCL Matl. Std.: none

Manufacturer:

Hubbell or equivalent

Stock Unit: EA



Stock No.	Description	Color	Hubbell Catalog No.
733401	1 gang for 1 switch	Brown	NP1
733421	1 gang for 1 switch	Ivory	NP1I
733402	2 gang for 2 switches	Brown	NP2
733404	2 gang for 2 switches	Ivory	NP2I
733408	1 gang, 1 duplex outlet	Brown	NP8
733428	1 gang, 1 duplex outlet	Ivory	NP8I
733417	2 gang, 2 duplex outlets	Brown	NP82

**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, 100 W
SCL Matl Std: 7331.0
Stock Unit: EA

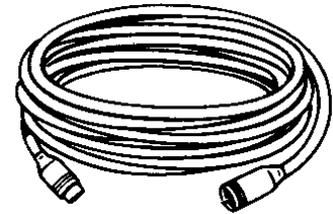
Stock No. _____
 733611



EXTENSION CORDS, 3-Wire #14, 600 V, Type SO

Description: With watertight connections
SCL Matl Std: 7331.0
Stock Unit: EA

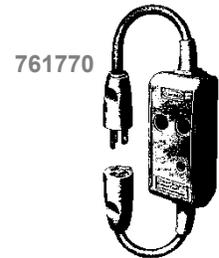
Stock No.	Length (ft)
761750	25
761755	50



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

733120



SEATTLE CITY LIGHT
STOCK CATALOG

STOCK CLASS: **73**
 PAGE: **27**
 SUPERCEDING: June 30, 1998
 EFFECTIVE DATE: August 17, 2005

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

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



733572

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

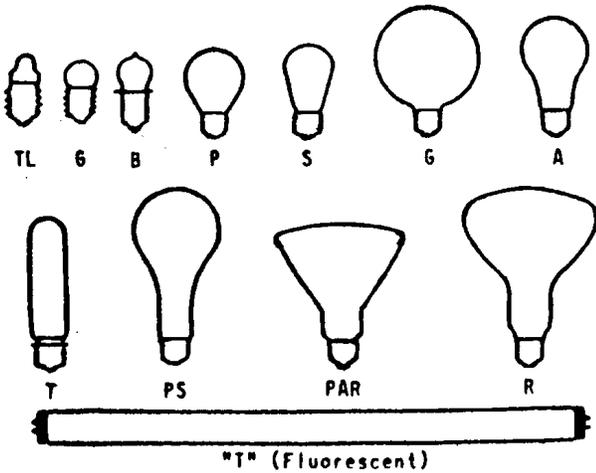
WIRING SUPPLIES - LAMP INFORMATION

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Reference Specifications:

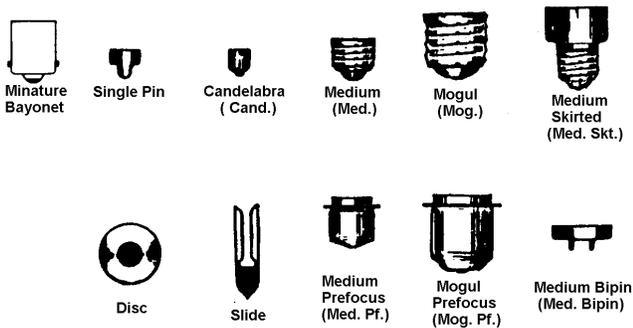
Large Incandescent	Fed. Spec. W-L-101f
Miniature Incandescent	Fed. Spec. W-L-111c
Fluorescent	Fed. Spec. W-L-116a

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 and LED

LED, MEDIUM SCREW BASE, WHITE LIGHT, 120 Volt

Description: Single-ended, LED, 120 Volt, white lamp with medium screw bases.

Application: Lamps are for installation in open or enclosed fixtures with medium screw base lamp holders, and are suitable for damp locations. This lamp is suitable for 130 VDC station emergency lighting. In 2015, LED lamps replaced A19 and A21 sized, general service, incandescent lamps.



SCL Matl. Std.: 5722.81

Stock Unit: EA

Stock No.	Lumens	Color Type	Incandescent Equivalent (W)
013673	800	2700K, warm white	60
013674	850	5000K, cool white	60
013675	1600	2700K, warm white	100
013676	1675	5000K, cool white	100

LED, MEDIUM SCREW BASE, WHITE LIGHT, 120 Volt

Description: Single-ended, LED, 120 Volt, color lamp with medium screw bases.

Application: Red or green LED lamps are installed in open or enclosed fixtures with medium screw base lamp holders, and are suitable for damp locations. They are used as status indicators on vault-installed transformers. In 2015, LED lamps replaced A19 color lamps, stock numbers 730692 and 730693.



SCL Matl. Std.: 5722.91

Stock Unit: EA

Stock No.	Watts	Color	Incandescent Equivalent (W)
013677	3	Red	40
013678	3	Green	40

INCANDESCENT, 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

INCANDESCENT, INSIDE FROSTED, 130 Volt

General Service

Per Fed. Spec. W-L-101

Stock Unit: EA

Stock No.	Watts	Bulb Type	Base Type	Purchase Unit
730628	150	A-23	Med.	60
730629	200	PS-30	Med.	60
730630	300	PS-30	Med.	60
730631	300	PS-30	Mog.	24

INCANDESCENT, MISCELLANEOUS, 125 Volt

Stock Unit: EA

Stock No.	Watt	Bulb Type	Base Type	Description	Purch. Unit
730390 ❖	250	R-40	Med. Skirt	Ref. Infra. Indust.	24
730392	250	R-40	Med.	Ref. 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

INCANDESCENT, 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

INCANDESCENT, SWITCHBOARD, 125 Volt

Stock Unit: EA

Stock No.	Watts	Bulb Type	Base Type	Mfgr. & Cat. No.	Purch. Unit
730530	1.7	T-3-1/4	Min. Bay	GE B2A	10

INCANDESCENT, 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.

**INCANDESCENT, 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	BaseType
730553	100	A-21	Med.

COMPACT FLUORESCENT, 68 W

Description: 68 W, compact fluorescent lamp, 120 Vac, with E26 screw base.

Application: Compact fluorescent lamps are used in lighting in-building vaults. This lamp is a highly efficient alternative to 300 W, incandescent lamps, Stock Number 730630. While compact fluorescent lamps may be installed in most circuits designed for incandescent lamps, the reverse is not true. Before exchanging lamps in an existing circuit, verify the wiring and the transformer is appropriately sized for the load. Compact fluorescent lamps are for use in dry locations only and should not be used with dimmers. Lamps contain mercury. Dispose of properly.



SCL Matl. Std.: 7303.68

Stock Unit: EA

Stock No: 013462

Lamps, Flashlight and Fluorescent, Ballasts and Starters

LAMPS, FLUORESCENT

Per CL Material Standard 7303.01

Bulb Shape: T12

Stock Unit: EA

Stock No.	Watts	Length, Inches	Color Indicator
730332	34	48	Spec. 41
730349	34	48	Cool White
730344	75	96	Spec. 41

LAMPS, FLUORESCENT

Per CL Material Standard 7303.01

Bulb Shape: T8

Stock Unit: EA

Stock No.	Watts	Length, Inches	Color Indicator
013554	32	48	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

STARTER, FLUORESCENT

Stock Unit: EA

Stock No.	Trade No.	Approved Manufacturers
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

Tape, Electrical

ELECTRICAL SHIELDING TAPE

Description: Woven No. 36 AWG tinned copper wire, 16 mil thick

Application: Shielding tape is intended to:

- Provide shielding for cable joints on shielded power cables
- Make the conductive portion of the stress cone on power cable terminations.

Shielding tape is an all-metal, open-weave, shielding braid tape in a flat, cable-like form. It is conformable due to the open-weave knit construction of two No. 36 AWG tinned copper wires. Because of its construction, the tape interlocks with the previous layer, thereby assuring a tighter wrap (no solder bead is required). This product should not be used as a ground strap or jumper wire; its ampacity is not sufficient to carry large fault currents.



SCL Matl. Std.: 7365.22

Stock Unit: RL

Stock No.	Description
736244	1 in x 15 ft roll
736243	2 in x 10 ft roll

SELF-FUSING, SILICONE RUBBER, ELECTRICAL TAPE

Description: self-fusing, inorganic silicone rubber, sky blue gray, 1 inch x 30 ft roll x 12 mil thick

Application: This product is a high-temperature, arc and track-resistant tape composed of self-fusing, inorganic silicone rubber with an easy-tear and easy-strip liner. Silicone rubber tape is intended for the following applications:

- As an overwrap for protection of terminating high-voltage cables against arcing and tracking
- As splice overwrap on spacer cable operating at 15 kV and above.

SCL Matl Std.: 7365.24

Stock Unit: RL

Stock Number: 736512



SELF-AMALGAMATING, ELECTRICAL INSULATING TAPE

Description: Self-amalgamating, ethylene propylene rubber (EPR), 30 mil thick, black

Application: This product is a highly conformable, linerless, ethylene rubber (EPR), high-voltage insulating tape, formulated to provide excellent thermal dissipation of splice heat. The tape has excellent physical and electrical properties, which provide immediate moisture seals and void-free build-ups. Insulating tape is intended for the following applications:

- Primary insulation for splicing all types of solid dielectric insulated cables through 69 kV
- Jacketing (secondary insulation) on high-voltage splices and terminations
- Moisture-sealing electrical connections
- Bus bar insulation.

Insulating tape is linerless to permit quicker application. For best ultraviolet light (UV) protection, overwrap with a high-quality, vinyl electrical tape.



SCL Matl. Std.: 7365.31

Stock Unit: RL

Stock No.	Description
736503	3/4 in x 30 ft roll
736504	1 in x 30 ft roll
736505	1-1/2 in x 30 ft roll

TAPE, ELECTRICAL

SELF-AMALGAMATING, ELECTRICAL SEMICONDUCTING TAPE

Description: Highly conformable, semi-conducting EPR (Ethylene Propylene Rubber) based high-voltage splicing tape, 30 mil thick, black

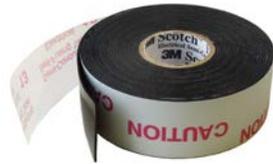
Application: Semiconducting tape is intended for the following applications:

- To electrically round out high-voltage connectors and to bond to insulating materials to minimize electrical stresses
- Continue semi-conducting strand shielding found in solid dielectric (polyethylene, XLP, EPR, etc.) cables at 5 kV and above
- Provide shielding for cable joints on solid dielectric insulated power cables (shielded or concentric neutral)
- Round out bolted connections on insulated bus bars.

Semiconducting tape is not oil resistant. It should not be used in splicing and terminating cables which contain oil or slippery compounds as part of dielectric such as PILC. For best ultraviolet light (UV) protection, overwrap with a high-quality, vinyl electrical tape.

SCL Matl. Std.: 7365.54

Stock Unit: RL



Stock No.	Description
736670	3/4 in x 15 ft roll
736671	1 in x 15 ft roll
010451	1-1/2 in x 15 ft roll

SEALING AND INSULATING MASTIC TAPE

Description: Self-amalgamating, insulating mastic tape, "Aqua seal," 1/8-inch 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 No.	Width (in)	Roll Length (ft)
736470 E	3-3/4	10

ELECTRIC ARC PROOFING TAPE

Description: White to gray, 0.030-inch thick

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 No. 736632.

SCL Matl. Std.: 7365.20

Stock Unit: RL

Stock No.	Width (in)	Roll Length (ft)
736525	1-1/2	20
736527	3	20

ACRYLIC FOAM, DOUBLE-SIDED, HIGH-BOND TAPE

Description: Durable, grey, double-sided adhesive formulated to provide strong bonds in interior and exterior applications.

Application: Typically used for applying streetlight pole placards to streetlights, but can be used in many applications.

SCL Matl. Std.: 7365.81

Stock Unit: RL



Stock No.	Size
013527	1-1/2 in x 36 yd

INSULATING MASTIC TAPE

Description: Self-amalgamating, low voltage insulating mastic designed for quick void-free insulation build-up. Easily molded by hand to conform to irregular shapes. Can be used as primary insulation for splices through 5 kV in conjunction with other insulating tapes. Provides an excellent moisture seal.



SCL Matl. Std.: 7364.80

Stock Unit: RL

Stock No.	Width (in)	Roll Length (ft)
736750	1-1/2	5

Tape, Electrical

ADHESIVE-BACKED, COPPER FOIL TAPE STRIPS

Description: 3/8 in wide x 8 in long x 1.5 mil thick

Application: Adhesive-backed, copper foil tape strips are used to supplement the material listed in Construction Standard 0535.11, "Heat Shrink Splices, Straight, 110 kV BIL, Tyco." This product can also be used to hold down constant force springs and to aid in rebuilding corroded primary cable shields.

SCL Matl Std.: 7365.56

Stock Unit: RL

Stock Number: 013499



GLASS CLOTH ELECTRICAL TAPE

Description: Woven glass cloth, white, with thermosetting, pressure-sensitive, silicon adhesive, 1/2 inch x 66 ft roll x 7 mil thick.

Application: Glass cloth tape is for applications that require high mechanical strength and resistance to high temperatures. The thermosetting adhesive provides an increased bond once applied in areas of high ambient temperatures. This tape provides insulation and solvent-resistant protection and features a non-corrosive adhesive. It is conformable, printable and flame retardant. Glass cloth tape is used to secure non-adhesive-backed, fire-retardant, electric arc proofing tapes, such as Stock Number 736525 and 736527.

SCL Matl Std.: 7365.58

Stock Unit: RL

Stock Number: 736632



CORROSION PROTECTION TAPE

Description: High-tack, pressure sensitive rubber with polyvinyl chloride (PVC) backing material, black, 2 in wide x 100 ft roll x 10 mil thick

Application: Corrosion protection tape is a tough, polyvinyl chloride based tape with special high tack adhesives formulated to resist corrosion of metal piping systems above and below ground. Corrosion protection tape is:

- Resistant to corrosive salt water, soil acids, alkalis and salts, common chemicals, chemical vapors, and exposure to outdoor weathering and sunlight.
- Resistant to impact, abrasions, punctures, and tears.

Surfaces to be wrapped should be clean, dry and free of oil, grease, and other contaminants. Blast removal of rust and scale is preferred. Welding slag and spatter, sharp edges or burrs should be chipped, grinded or filed. 3M recommends coating the pipe or other metal surfaces with their non-sag, rubber-based primer before wrapping to enhance adhesion. Corrosion protection tape is printed with "Pipe Wrap", "Scotchrap", or other similar words to ensure the product is not confused in the field with electrical tape.

SCL Matl Std.: 7366.35

Stock Unit: RL

Stock Number: 736730



COTTON FABRIC, FRICTION TAPE

Description: High-quality cotton fabric, coated on both sides with an electrical-grade, solvent-free, rubber adhesive, 14 mil thick, black

Application: Cotton friction tape has high break strength and low stretch, making it ideal as a heavy-duty binding and harnessing tape. Cotton friction tape is intended for the following applications:

- Provide abrasion and cut-through protection on wire and cable splices
- Provide mechanical protection for rubber electrical tape
- Provide bundling, binding and spot holding on wire harnesses
- Provide protection on sharp edges, to prevent scratching or cut through.

When applied over tool handles, it effects a non-slip surface.

SCL Matl Std.: 7366.41

Stock Unit: RL



Stock No.	Description
736400	3/4 in x 60 ft roll
736401	1 in x 60 ft roll
736415	2 in x 60 ft roll

Tape, Electrical

**PRESSURE-SENSITIVE, VINYL,
ELECTRICAL TAPE**

Description: Polyvinyl chloride (PVC) tape with rubber-based, pressure-sensitive adhesive, black. Standard-duty tape is 8.5 mil thick; heavy-duty tape is 10 mil thick.

Application: Shielding tape is intended to be used as:

- Primary electrical insulation for wire and cable splices rated up to 600 volts
- Protective jacketing for high voltage cable splices and repairs.

It is also suitable for both indoor and outdoor applications as well as above and below-grade applications.

Standard-duty tape has a lower installation and operating temperature rating than heavy-duty tape.

Heavy-duty tape is more suitable for wrapping pipe than standard-duty tape.

SCL Matl. Std.: 7366.55

Stock Unit: RL



Stock No.	Description
736655	Standard-duty 3/4 in x 66 ft roll
736656	Standard-duty 1-1/2 in x 44 ft roll
736644	Heavy-duty, 1 in x 36 yd roll
736650	Heavy-duty, 2 in x 36 yd roll

VINYL, COLOR CODING TAPE

Description: Polyvinyl chloride (PVC) tape with rubber-based, pressure-sensitive adhesive, 1/2 in wide x 20 ft roll x 7 mil thick

Application: Vinyl, color coding tape operates over a wide range of temperatures, applies smoothly, conforms, and is available in nine fade-resistant colors. Vinyl, color coding tape is intended for color coding for phase identification, job identification and safety.

SCL Matl. Std.: 7366.71

Stock Unit: RL

Stock No.	Color
736775 E	White 
736776 E	Yellow 
736777 E	Blue 
736778 E	Red 
736779 E	Green 
736780 E	Orange 
736781 E	Brown 

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

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.

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 No. 765897, to install heat shrink products.

Matl. Std.: 7374.80

Stock Unit: EA



Stock No.	Number of Legs	Body Use Diameter (in)		Leg Use Diameter (in)	
		Minimum	Maximum	Minimum	Maximum
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.

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 No. 765897, to install heat shrink products.

Matl. Std.: 7374.85

Stock Unit: EA



Stock No.	Expanded Length, Nominal (in)	Expanded Internal Diameter, Minimum (in)	Recovered Internal Diameter, Maximum (in)	Recovered Wall Thickness, Nominal (in)
737475 E	2.2	0.79	0.36	0.09
737477 E	3.5	1.37	0.70	0.12
737479 E	5.7	2.17	1.00	0.13
737485 E	6.5	2.87	1.26	0.13
737483 E	6.5	3.94	1.77	0.16
737481 E	5.7	4.70	2.76	0.16

Sealing Caps, Cold Shrink

Description: 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 V and below. Product is considered non-flame retardant. Installation requires no special tools.

Matl. Std.: 7375.85

Stock Unit: EA



Stock No.	Use Range (in)	Length, Nominal (in)
011682 E	0.46 to 0.82	2.5
011683 E	0.63 to 1.18	2.75
011684 E	1.02 to 1.94	3
011685 E	1.79 to 3.32	3.5

Splice Accessories

Wraparound Jacket Repair Sleeve Kits, Heat Shrink

Description: Wraparound jacket repair sleeves provide a fast and versatile method for permanently repairing damaged primary cable jackets. Repair sleeves are 48 inches long and may be field cut to shorter lengths. Sleeves are intended for use over cables with outside diameter between 0.65 and 2.65 inches. Repair sleeves do not provide electrical insulation.



Matl. Std.: 7374.90

Stock Unit: EA

Stock No.	Cable Size (in)
737621	0.65 – 2.65

Sealant, Hot Melt, Insulating, Waterproof

Description: 2" x 15" x 0.03" strip, red. For use with uncoated tubing and molded parts, including HVT termination kits.

Matl. Std.: None

Stock Unit: EA

Stock No.	Raychem Cat. No.
686541	S-1085-3-380

Wiring Supplies, Secondary Splice Seals, Insulation, and Cable Wrap

Insulating Sleeves, Cold Shrink, Secondary Connector

Description: Cold shrink, insulating sleeves are open-ended tubular rubber sleeves with sealing mastic on each end that are factory expanded and assembled onto a removable core.



Cold shrink, insulating sleeves are used for:

- Primary electrical insulation for solid dielectric (rubber and plastic) insulated wire and cable splicing rated to 1000 volts, direct bury or submersible
- Insulation of secondary splices, copper or aluminum conductors
- Dig-in repairs
- Sheath repairs
- Insulation of inline conductor transition connectors and set screw or oversized connectors

Appropriate for use over #2 AWG – 750 kcmil, copper cable. Maximum connector length is 4.5 inches. In aerial applications where intense UV radiation will be common and visual inspection is not possible, it is recommended to overwrap the tubing with vinyl electrical tape or self-fusing silicone rubber electrical tape. Tube does not include a connector.

Matl. Std.: 7375.75
Stock Unit: EA
Stock No.: 014307

Sheet Insulation

Description: Phenolic cotton fabric laminate. Grade C, natural color, Micarta or equal. Approximate dimensions: 36" x 36"

Matl. Std.: None
Stock Unit: SH

Stock No.	Thickness (in)
735214	1/8
735217	1/4
735221	1/2

Cable Wrap, Polytetrafluoroethylene

Description: Type II, Class B insulation

Matl. Std.: 7353.6

Stock Unit: FT

Stock No.	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

Matl. Std.: None

Stock Unit: FT

Stock No.	Thickness (in)	Width (in)	Roll Length (yd)	Von Roll Isola Cat. No.
735283 E	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.

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

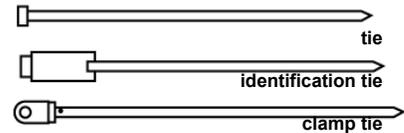
Stock No.	Size (in)	Color
735800E	1-1/8 x 7 x 0.016	Yellow

CABLE TIES, Plastic, Adjustable

Description: Also called tie wrap or cable strap.

Per SCL Matl. Std.: 7358.1

Stock Unit: EA

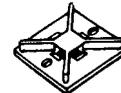


Stock No.	Type	Color	Length, Approximate (in)
735804E	Tie	Natural	04
735805E	Tie	Black	07
735806E	Tie	Natural	07
735807E	Identification	Natural	07
735809E	Identification	Natural	15
735810E	clamp	Natural	08
735811E	Tie	Black	14
735812E	Tie	Black	20

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

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
734559	4	36	3-3/8
22-1/2 degree			
734561	2	18	3
734562	2-1/2	18	3
734563	3	24	3-1/4
734566	4	24	3-3/8



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
734539	4
734536	5

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

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
734521	4
734522	5

PVC Conduit Fittings

End Bell, PVC

Matl. Std:	7055.09
Stock Unit:	EA
Stock No.	Trade Size (in)
734944	2
734946	3
734947	3-1/2
734948	4
734949	5
010340	6



Reducer, PVC, Expanded, Schedule 40

Description: Rigid Schedule 40 PVC reducer fittings. Two-inch (IPS) and larger shall be chamfered.

Matl. Std.: 7015.05

Stock Unit:	EA
Stock No.	Trade Size (in)
734470	3 x 2-1/2
012503	4 x 3-1/2



Conduit Repair System, Interlocking Parts

Description: PVC plastic. Two interlocking 10-ft halves, snap closed with 2-piece interlocking coupling. Sole source: Conduit Repair Systems, Inc. (CRS), conduitrepair.com.



Application: Requires separate locking tool to close snap – non-stock item (CRS part CT4000).

Matl. Std: None

Stock Unit: EA

Trade Size (in)	10-ft Conduit Split to Split Standard to		
	Halves	Coupling	Split Coupling
2-1/2	012113	012109	012105
3	012114	012110	012108
4	012115	012111	012107
5	012116	012112	012106

Coupling, PVC, Long Sleeve Repair, Schedule 40

Description: Rigid Schedule 40 PVC long sleeve repair coupling without center stop. The coupling is sized to slip fit over IPS PVC conduits.

Matl. Std.: 7015.05

Stock Unit: EA

Stock No.	Trade Size, IPS (in)
013705	2
013706	3
013707	4
013708	5

Adapter, PVC, 24-in Long, Schedule 40

Application: Connects 3-1/2-in round duct to 3-1/2-in square duct.

Matl. Std.: 7055.09

Stock No. 734565

Reducer, PVC, 3/4" x 1/2" Plug, Heavy Wall

Matl. Std.:	None
Stock No.	Prime Conduit Catalog No.
734480	E950ED



Schedule 80 PVC Conduit and Elbows

Schedule 80 PVC Conduit

Description: Schedule 80 extruded rigid PVC (polyvinyl chloride) conduit. All conduit that is 2 inches (IPS) or larger is chamfered. Except for 5-in conduit, one conduit end is bell and the other is straight cut. 5-in 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.

Assembly: Refer to Stock Catalog page 73-52 for PVC fittings (couplings).

Matl. Std.: 7020.05

Stock Unit: EA



Stock No.	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

Schedule 80 PVC Elbows

Description: Schedule 80 extruded rigid PVC (polyvinyl chloride) 90 degree, 45 degree, and 22-1/2 degree elbows. All elbow straight cut ends that are 2 inch (IPS) or larger are chamfered. One end of the elbow shall be bell and the other is straight cut.

Application: Schedule 80 PVC elbows are used to construct smooth raceways for the pulling in of cable.

Matl. Std.: 7020.05

Stock Unit: EA

Stock No.	Trade Size (in)	Radius (in)	Tangent Length (in)
22-1/2 degree			
013647	2	24	3
013650	3	24	3-1/4
45 degree			
013648	2	24	2
013651	3	24	3-1/8
90 degree			
013649	2	24	2
013652	3	24	3-1/8



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.

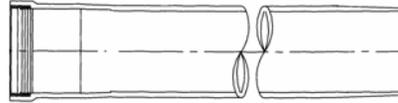
SCL Matl. Std.: 7025.05

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, 70° F
012821	adhesive kit; includes can of base adhesive, can of hardener, stir sticks, sand paper, and instructions; 70° F
013314	mixing tip, spare

Fiberglass Elbows (Sweeps) and Fittings**Fiberglass Elbows, 4-inch**

Description: Four-inch, heavy wall, with 2 deep socket PVC couplings. Elbow angles are required to be accurate to $\pm 2\%$ of specified.

Matl. Std. 7024.05

Stock Unit: EA

Stock No.	Angle (degrees)	Radius (in)
013587	5	144
013588	11-1/4	144
013589	15	144
013590	22-1/2	144
013591	45	144
013592	90	144

Fiberglass Elbows, 5-inch

Description: Five-inch, medium wall, for fiberglass conduit. Elbow angles are required to be accurate to $\pm 2\%$ of specified.

Matl. Std: 7025.05

Stock Unit: EA

Stock No.	Angle (degrees)	Radius (in)
012809	90	60
012847	90	144
012848	11-1/4	144
012849	22-1/2	144
012850	45	144
013568	5	144
013586	15	144

Fiberglass Fittings, 5-inch

Description: 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).

Matl. Std. 7025.05

Stock Unit: EA

Stock No.	Description
012814	Stop coupling
012815	End bell, socket type
012817	Female terminal adapter
012818	Fiberglass end cap with gasket
013358	Repair coupling
013567	5-in fiberglass to 5-in PVC adapter

Aluminum Conduit

Conduit, Rigid Aluminum

Description: Rigid aluminum conduit.

Matl. Std.: 7040.05

Stock Unit: EA



Stock No.	Trade Size (in)
734752	3/4
734754	1-1/4

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-ft sections.

Zinc-coated steel conduit, elbows and fittings are used to construct smooth raceways for the pulling in of cable.



For assembly, refer to Stock Catalog page 73-72 for steel fittings (couplings).

Matl. Std.: 7050.05

Stock Unit: FT

Stock No.	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. Elbows are also known as bends. Large radius elbows are also known as sweeps or large sweeps (see below).

Matl. Std.: 7050.05

Stock Unit: EA

Stock No.	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

Description: Zinc-coated steel conduit elbows. 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.

Matl. Std.: 7050.05

Stock Unit: EA

Stock No.	Trade Size (in)	Degree Bend	Radius (in)	Straight End Length (in)
734820	2	90	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
013749	4	22-1/2	48	12
013750	4	45	48	12

MISCELLANEOUS CONDUIT FITTINGS

ERICKSON COUPLINGS, Union Type

Description: malleable iron

SCL Matl. Std.: none

Stock Unit: EA



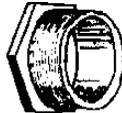
Stock Number	Trade Size, in
731076	1/2
731077	3/4
731078	1
731080	1-1/2
731081	2

CONDUIT NIPPLES, Chase

Description: Hot dip or mechanical galvanized.
ANSI C80.1.

SCL Matl. Std.: none

Stock Unit: EA



Stock Number	Trade Size, in
731260	1/2

Iron and Zinc-Coated Steel Conduit Fittings

Threaded Couplings, Straight Threaded

Description: For zinc-coated steel conduit. Threaded couplings are straight-tapped.



Matl. Std.:	7050.05
Stock Unit:	EA
Stock No.	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

Split Couplings

Description: For joining where conduit cannot be turned or where space is limited.



Matl. Std.:	None	
Stock Unit:	EA	
Stock No.	Trade Size (in)	OZ Cat. No.
731146	3/4	SSP-75
731150	2	SSP-200
731152	3	SSP-300
731153	3-1/2	SSP-350
731155	4	SSP-400

Steel Couplings, 5 in, Set-Screw Type



Description: Zinc-coated steel. Set-screw type, steel couplings are used to join threaded sections of 5-in steel conduit to straight-cut, unthreaded sections. These are used where it is not practical or possible to use a standard, 5-in threaded coupling, Stock No. 731102. This coupling also satisfies federal "Buy American" policies.

Matl. Std.: 7051.03
Stock Unit: EA
Stock No.: 013421

Nipple Stock



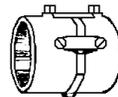
Description: UL 6 defines a nipple to be a straight section of conduit 24 inches in length or less, with male pipe threads at each end. SCL purchases nipple stock, also known as running thread, in 3-ft lengths.

Matl. Std.:	7050.05
Stock Unit:	EA
Stock No.	Trade Size (in)
734868	1/2
734869	3/4
734870	1
734872	1-1/2
734873	2
734874	2-1/2

Set Screw Couplings

Description: For rigid conduit slip fit.

Matl. Std.: None
Stock Unit: EA



Manufacturer's Catalog No.

Stock No.	Trade Size (in)	Steel Electric		
		EFCOR	OZ/Gedney	Products (SEPCO)
013569	2	—	29-200	TRCC-200
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

**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

**INSULATING BUSHING,
Threaded, D, Plastic**



Description: per NEMA FB 1
SCL Matl. Std.: None
Stock Unit: EA

**INSULATING BUSHING, D,
Plastic with Locknut**



Description: per NEMA FB 1
SCL Matl. Std.: None
Stock Unit: EA

**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)	Stock No.	Trade Size (in)	Stock No.	Trade Size (in)	O-Z/ Gedney	Stock No.	Trade Size (in)
731515	1/2	731565	1/2	731591	1/2	BBL-50	731490	1/2
731516	3/4	731566	3/4	731592	3/4	BBL-75	731491	3/4
731517	1	731567	1	731593	1	BBL-100	731492	1
731519	1-1/2	731568	1-1/4	731594	1-1/4	BBL-125	731493	1-1/4
731520	2	731569	1-1/2	731595	1-1/2	BBL-150	731494	1-1/2
731521	2-1/2	731570	2				731495	2
731523	3-1/2	731571	2-1/2				731496	2-1/2
731524	4	731572	3				731497	3
		731573	3-1/2				731498	3-1/2
		731574	4				731499	4
		731575	5					

**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 No.	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
012857	4	IBC-400L-4AC	3879

GROUNDING CLAMP, Water Pipe

SCL Matl. Std.: None

Stock No.	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 No.	Trade Size (in)
731505	1-1/4
731506	1-1/2
731507	2
731508	2-1/2
731509	3

SPLIT GROUNDING BUSHING

Description: Zinc die cast body, 4-in, with aluminum alloy 6061-T6 lug, wire capacity #6 stranded minimum to 3/0 solid maximum.

Application: Used in situations where wires have a ready been pulled through conduit or EMT fittings, an an insulated grounding bushing is required.

SCL Matl. Std.: None

Stock Unit: EA



Stock No.	Manufacturer	Catalog No.	UPC No.
013528	Bridgeport/Mighty-Rite	SGB-390CL	90390

Conduit Accessories

CABLE PROTECTOR, Nylon

SCL Matl. Std.: 7050.09

Stock Unit: EA

Stock No.	Size (in)
731800 E	2 to 2-1/2
731801 E	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

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.: None

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-lb tensile strength.

SCL Matl. Std.: None

Stock Unit: RL



Stock No.	Ft per Reel	Fibertek	Manufacturer	
			Pacific Strapping (Herculine)	Neptco
012293	400	WP2500-400	P2500W-400	WP2500P-500
012480	3000	WP2500-3000	P2500W-3000	WP2500P-3000

MANDREL, Proofing, Rigid, Delrin or 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)
013294	3/4	0.62	1.0
013295	1	0.78	1.25
013296	1-1/4	1.0	1.5
013297	1-1/2	1.25	1.75
013298	2	1.62	2.25
013299	2-1/2	2.0	2.75
013300	3	2.5	3.25
013301	3-1/2	3.0	3.75
013302	4	3.5	8.0
013303	5	4.75	12.0
013304	6	5.5	14.0

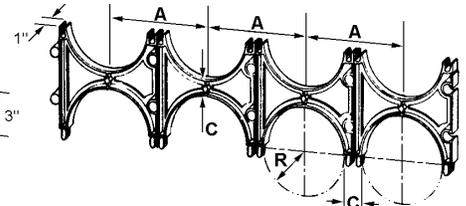
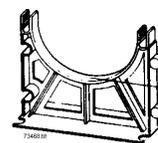
CONDUIT SPACER, Plastic

Description: For non-metallic conduit. Allows 2-inch conduit separation.

SCL Matl. Std.: 7015.80

Stock Unit: EA

Stock No.	Trade Size (in)	Type
010448 E	3	base
734690 E	4	base
734692 E	5	base
010446 E	6	base
734669 E	3	intermediate
734670 E	4	intermediate
734680 E	5	intermediate
010447 E	6	intermediate



Base Spacer

Intermediate Spacer

Metals

PROTECTIVE CAP

Application: For steel reinforcing bar. Fits rod diameter 3/8" through 3/4".

Per SCL Matl. Std.: none

Stock Unit: EA

Stock No.: 743671

STEEL WIRE, Bare, Annealed

Per Federal Spec.: QQ-W-416

Stock Unit: LB

Stock No.	Gauge	Approximate Weight (lb)	Approximate Spool or Coil Length (ft)
746818	14	5	293
746822	16	5	475

STOCK CATALOG**CHEMICALS AND PETROLEUM PRODUCTS****KEROSENE**

SCL Matl. Std.: none

Stock Number	Stock Unit	Description
750500	GL	purchased in 55 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

SEATTLE CITY LIGHT
STOCK CATALOG

STOCK CLASS: **75**
 PAGE: **2**
 SUPERSEDING: April 23, 2009
 EFFECTIVE DATE: October 30, 2013

CHEMICALS AND PETROLEUM PRODUCTS

COMPOUNDS AND OILS, Insulating

Stock No.	Stock Unit	Description	Product Name
726320	QT	TAPING OIL, for splices on PILC cable	–
726323	CN	PIPE THREAD SEALING COMPOUND, for use on transformers	Rectorseal #5
726324	TU	FILLER COMPOUND, used in compression joints and deadends	Alcoa Filler Product (AFC)
753100	GL	ELECTRICAL INSULATING OIL	–

COMPOUNDS, Oxide-Inhibiting

Stock No.	Stock Unit	Description
726180	EA	SYNTHETIC BASE WITH METAL PARTICLES, for compression connectors
726181	EA	SYNTHETIC BASE WITHOUT GRIT OR ABRASIVE PARTICLES, for flat to flat and sliding contacts
726182	EA	PETROLEUM BASE WITH ACID ETCH, for low pressure flat to flat such as IWCB bus bars
725696	PT	RUST PREVENTIVE COMPOUND, No-Ox-Id "A" Special

COMPOUND, Duct Sealing

Stock No.	Stock Unit	Product Name
726294E	EA	GB, "Duct Seal" DS-500 MAC, "MACSeal"

LUBRICANT, Cable Pulling

Application: For all cables.

Stock No.	Stock Unit	Description
726223	BG	GEL, in 64 oz. bags for 3" and larger conduits
726225	GL	GEL, in 1 gallon buckets
726226	GL	POURABLE GEL, in 1 gallon jugs
726227	PL	POURABLE GEL, in plastic 5 gallon pails

Seattle City Light
STOCK CATALOG

stock class-page: **75-3**
superseding: December 29, 2011
effective date: August 14, 2015

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; Carlton #VC9932 Oatey #30806

ADHESIVES

Stock No	Stock Unit	Description
722020	TU	ADHESIVE, for waterproofing splices and-terminations; GE A50P68, 3M-847, 5 oz tube.
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; Carlton 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.
013894	PK	CLEANER, ELECTRICAL INSULATION, replacement for trichlor, Dual sealed-pouch sets of one saturated wipe and one dry wipe.
726158	GL	CLEANER, ELECTRICAL INSULATION, replacement for trichlor, in 5-gallon pails.
726163	EA	CLEANER, ELECTRICAL INSULATION, replacement for trichlor, in 1-quart bottles.
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 cans.

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

Tools and Equipment

Description: Miscellaneous lineworkers' tools and equipment.

Matl. Std.: None
Stock Unit: EA

Stock No.	Description
764220	Skinning knife, wood handle
012244	Skinning knife, ergonomic cushion rubber handle
765205 E	Snap, 3/4", harness, swivel, US2C finish
765220 E	Snap, 1", harness, swivel, US2C finish
765410 E	Swivel, 5/16" forged steel, US2G finish



Manufacturer Catalog No.
Buckingham 7080
Buckingham 7090
Cooper/Covert, 760-5811
Cooper/Covert, 760-5821
Crosby-Laughlin G402

Line Hose Bag, Canvas

Description: Water-repellent canvas line hose bags with waterproof bottom and cuff made of harness leather. Natural white or yellow. Dimensions nominal 7 or 8' x 42".

Matl. Std.: 7601.1
Stock Unit: EA
Stock No. 760148



Bags, Canvas, Rubber Glove Storage

Description: Canvas bags for storing rubber electrical insulating gloves and associated leather protectors (keepers). Stock No. 014396 is for storing Class 0 gloves as specified in SCL 7634.60. Stock No. 760153 is for storing Class 2 gloves as specified in SCL 7634.62. Bag dimensions are 8 in x 4 in x 15 in (L x W x H).

Matl. Std.: 4010.60

Stock Unit: EA

Stock No.	Description
014396	Glove storage bag with label "LOW VOLTAGE"
760153	Glove storage bag with label "HIGH VOLTAGE"



Bags, Tool, Canvas

Description: Canvas, leather bottom tool bags are used to carry electric line tools and equipment. Typically hung by a hook from a crossarm. Hook available from the Tool Room. Dimensions 12 in (W) x 17 in (L).

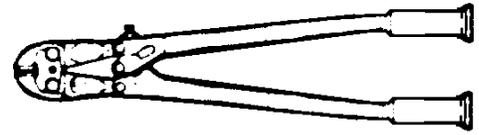
Matl. Std.: 7607.10
Stock Unit: EA

Stock No.: 760735



Bolt Cutters, Wire and Metal

Description: Variety of bolt cutters for cutting metal and wire.
 Stock No. 761216 has heavy duty jaws to enable cutting 3/8" guy wire as well as aluminum, rubber covered, or copper wire.
 Stock No. 761221 will cut 7/16" hard steel, stainless steel, rebar, tempered spring wire, or 1/2" hard guy strand. Not for cutting soft or medium steel, iron, soft bolts, rivets, screws, wire, or non-ferrous metals.
 Stock No. 761227, is 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.



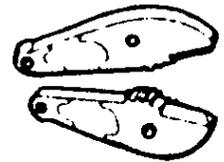
Matl. Std.: None
Stock Unit: EA

Stock No.	Description	H K Porter Catalog No.
761216	Wire cutter, center cut, fiberglass handles, 24-1/2" long	0190FCX
761221	Hard metal cutter, heavy duty center cut, round edge, 36" long	0390MCX
761227	Metal cutter, ratchet type	8690FH

Bolt Cutter, Jaws

Description: Replacement jaws for bolt cutters per table below.

Matl. Std.: None
Stock Unit: EA



Stock No.	For Bolt Cutter Stock No.	H K Porter Catalog No.
764110	761216	0112C
764120	761221	0312C

Thermos Jug

Description: Two gallon Igloo plastic jug with spout. Orange.

Matl. Std.: None
Stock Unit: EA
Stock No. 764145

Lineworkers Tools

Hooks, Chain, Alloy Steel

Description: Used for hoisting equipment. To be issued to Steel Shop ONLY.
Stock Unit: EA



GRAB



SLIP

Stock No.	Chain Size (in)	Style and Class
764041	5/16	Grab #2
764042	3/8	Grab #2
764046	1/4	Grab #2
764043	3/8	Slip #1

TOOLS – COVER-UP SYSTEMS, BLANKETS AND ACCESSORIES

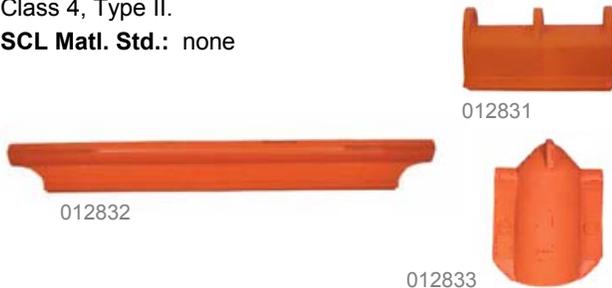
General Application: Used to form a barrier for energized parts.

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



Stock No.	Style	Weight (lb)	Salisbury Catalog No.
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



Stock No.	Weight (lb)	Salisbury Catalog No.
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

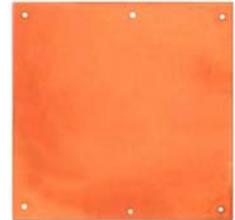


Stock No.	Size (in)	Weight (lb)	Salisbury Catalog No.
763302	1 x 36	3	OR100-3C

BLANKET, Insulating, Rubber

Description: Insulating rubber blanket.

SCL Matl. Std.: 7633.3



Stock No.	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.

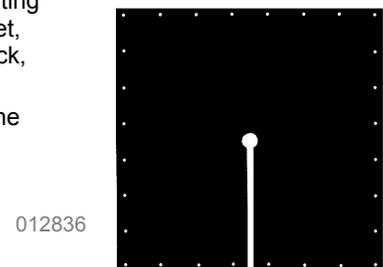
SCL Matl. Std.: none

Stock No.	Size (in)	Salisbury Catalog No.
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



Stock No.	Size (in)	Weight (lb)	Salisbury Catalog No.
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 No.: 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

Stock Number	Size		Approved Manufacturers		
	M	F	Honeywell	Boss	On Guard
760586	-	5	-	-	-
760587	-	6	-	-	84451-4
760588	-	7	-	-	84451-5
760589	6	8	18801-6	-	-
760590	7	9	18801-7	-	-
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	2KS6454-12	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

Stock Number	Size		Approved Manufacturers	
	M	F	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

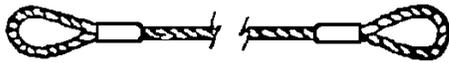
SLINGS**WIRE ROPE SLINGS**

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

Description: Fire extinguisher.

Matl. Std.: None
Stock Unit: EA



Stock No.	Type	Size (lb)
722496	Carbon dioxide (with horn)	10
722498	Carbon dioxide (with horn)	15
722500	"A-B-C", dry chemical	10
722502	"A-B-C", dry chemical	02.5

Bracket, Fire Extinguisher

Description: Bracket for fire extinguisher mounting.

Matl. Std.: None
Stock Unit: EA

Stock No.	For Use with SCL Stock No.	Size (lb)
722508	722498	15
722506	722500	10
722504	722502	2.5

Wheel Chock

Description: Wheel chock, aluminum, with handle. Used as a backup measure to prevent a vehicle from rolling down a hill in the event the vehicle's parking brake 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.

Matl. Std.: 7609.30
Stock Unit: EA
Stock No.: 760931



Safety Can, DOT Type II

Description: Department of Transportation (DOT) type II, red, safety cans. Safety cans are used for over-the-road transport of gasoline and other flammable liquids.

Matl. Std.: 7659.09
Stock Unit: EA

Stock No.	Capacity (gal)
013413	2.5
013414	5.0



Continued on the following page.

Red Warning Flare

Description: 20-minute red flare.
Matl. Std.: None
Stock Unit: EA
Stock No.: 762450

Funnel, General Purpose

Description: Polyethylene funnel. May be used for petroleum products.
Matl. Std.: None
Stock Unit: EA



Stock No.	Diameter, Nominal (in)	Manufacturer Catalog No.		
		Plews Edelmann	Wilmar Corp.	Wirthco
013168	5.5	75-062	W4015	32831
013169	7.5	–	W4064	–
013170	8.0	75-064	W54275	–
013168	5.5	75-062	W4015	32831

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

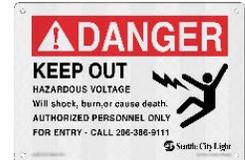
Stock Number	Description, ladder type	Highest Standing Level	Weight, lb
013007	16-foot single	12 feet 6 inches	33
013008	18-foot single	14 feet 6 inches	42
013009	24-foot extension	17 feet 4 inches	55
013010	Slip-on ladder shoes, pair		-

Signs, Danger and Warning

Danger Hazardous Voltage

Description: Danger Hazardous Voltage signs. In addition to applications noted below, signs may be used in other situations where the same level of alert is warranted.

Stock Unit: EA



Stock No.	Size (in)	Style	Application	SCL Matl. Std.
765182	7 x 10	Adhesive-backed decal	Inside of switches, cabinets, transformers or vault lids	7651.27
765181	7 x 10	Rigid coated aluminum	Inside fence or on walls within an SCL substation	7651.23
013740	10 x 14	Rigid coated aluminum	Inside fence or on walls within an SCL substation	7651.19
765207	7 x 10	Rigid coated aluminum	Transmission towers	7651.21

Danger Hazardous Voltage, Network

Description: Danger Hazardous Voltage signs for vault areas. In addition to application noted below, may also be used in other situations where the same level of alert is warranted.

Stock Unit: EA



Stock No.	Size (in)	Style	Application	SCL Matl. Std.
765209	10 x 14	Adhesive-backed decal	In and around vaults	7651.29

Warning Hazardous Voltage

Description: Warning Hazardous Voltage signs. In addition to applications noted below, may also be used in other situations where the same level of alert is warranted.

Stock Unit: EA



Stock No.	Size (in)	Style	Application	SCL Matl. Std.
013741	10 x 14	Rigid coated aluminum	Outside fence or exterior walls of an SCL substation	7651.31
013755	7 x 10	Rigid coated aluminum	Outside fence or exterior walls of an SCL substation	7651.33
013754	7 x 10	Adhesive-backed decal	Inside of switches, cabinets, transformers, or vault lids	7651.35

Signs, Misc.

Equipment Transportation Agreement

Description: Phenolic resin sheet; white lettering on red, 12 in x 12 in. Specific signage is required when an ETA contract exists between a customer and SCL for transformers or related equipment installed in a vault. ETA signage is not part of SCL stock. Customer responsible for procuring signage per the material standard.

Matl. Std.: 7651.25
Stock Unit: EA

Stock No.: 765210



Sign, Multi-Language Danger, Plate

Description: Stainless steel. For use on subsurface vault covers. To be welded on by Shops to help prevent dumping of contaminants into vaults.

Matl. Std.: None
Stock Unit: EA

Stock No. Size (in)
 765194 9-3/8 x 4 x 5/8

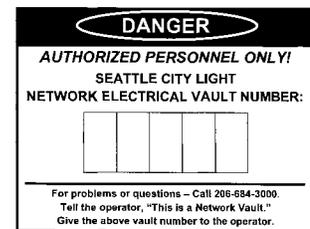


Sign, Network Electrical Vault

Description: Pressure sensitive, indoor/outdoor vinyl. Black lettering on reflective white background. Red background in "DANGER" oval. Use pressure sensitive, reflective numbers as described in Matl. Std. 7650.07 to place vault number on sign.

Matl. Std.: None
Stock Unit: EA

Stock No. Size (in) Manufacturer
 010684 10 x 14 Galaxy Specialty or equivalent



Tower, Circuit Identification

Description: Blank, 6061 alloy aluminum sheet; two slots for mounting; lettering to be provided by installation crews.

Matl. Std.: 7652.4
Stock Unit: EA

Stock No.: 765210



Sign, Notice, Landscape Clearance Requirements

Description: Adhesive backed sign for installation on pad-mounted switches and transformers.

Matl. Std.: 7650.50
Stock Unit: EA

Stock No. Size (in)
 014125 5 x 7



Labels, PCB

Less Than 1 ppm PCB

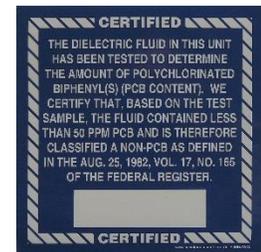
Description: Pressure-sensitive vinyl; color: white on light green. Signage used to signify equipment is certified as containing less than 1 ppm PCB.
Matl. Std.: None
Stock Unit: EA



Stock No.	Size (in)	Manufacturer
765211	6 x 6	Galaxy Specialty or equivalent

Certified Non-PCB

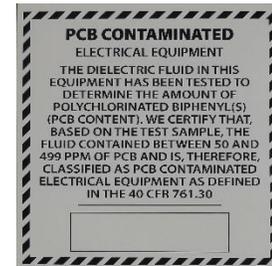
Description: Pressure-sensitive vinyl; color: white on blue. Signage used to indicate equipment is certified as containing less than 50 ppm PCB.
Matl. Std.: None
Stock Unit: EA



Stock No.	Size (in)	Manufacturer
765206	6 x 6	Labelmaster #PPMR or equivalent

PCB Contaminated

Description: Pressure-sensitive vinyl; color: black legend on white. Signage used to indicate equipment is classified as PCB Contaminated, with PCB content between 50–449 ppm.
Matl. Std.: None
Stock Unit: EA



Stock No.	Size (in)	Manufacturer
765208	6 x 6	Labelmaster #PCONR or equivalent

PCB

Description: Pressure-sensitive vinyl; color: black legend on yellow. Signage required by the EPA on all equipment that contains PCBs of any amount.
Matl. Std.: None
Stock Unit: EA



Stock No.	Size (in)
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

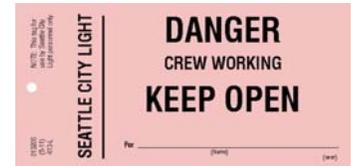
OPERATIONS TAGS

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"	flourescent orange-red
013208E	"Abnormal Condition"	solid yellow
013239E	"Station Warning Tag"	flourescent orange-red
013240E	"Recloser Off"	blue

Traffic Control Equipment System, Signs, Tape and Flags

Advance Warning Sign System, Diamond Shape, Reflectorized, 48-in

Description: Sign system consists of individual signs permanently mounted to foldable crossbracing, and Windmaster sign stand.

Matl. Std.: None

Stock Unit: EA

Stock No.	Description	Manufacturer Catalog No.	
		MDI Traffic Control Products	Pacific Safety Supply
012569	"BE PREPARED TO STOP" with cross-brace	-	SB48B1SF3-BPTS
012570	"DOUBLE TRANSITION" " " "	-	RF48B13S3F3-"double transition"
761173	"UTILITY WORK AHEAD" " " "	#DCF-04204	SB48B13SF3-UWA
761174	"ROAD CLOSED AHEAD" " " "	#DCF-04107	RF48B13S3F3-RCA
761176	"ONE LANE ROAD AHEAD" " " "	#DCF-03650	SB48B13SF3-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	SB48B13SF3-FS
761180	WINDMASTER SIGN STAND, dual spring base and kick-release legs	#4814DLK	TF12C



761180



761173
(Crossbrace not shown)

Sign Base, Truck Mount Bracket

Description: Sign base, truck mount bracket.

Matl. Std.: None

Stock Unit: EA

Stock No.: 761181

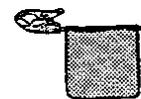


Flag, Red, with Staff and Clamp

Description: Vinyl coated nylon without letters

Matl. Std.: None

Stock Unit: EA



Stock No.	Size (in)	Pacific Safety Catalog No.
762405	12 x 12	#Flag Spring Assembly

Flag, Warning

Description: Use with Staff, Stock No. 762408 or 762409

Matl. Std.: 7624.10

Stock Unit: EA



Stock No.	Size (in)
762407	16 x 16

Staff, Warning Flag, PVC

Description: Use with Warning Flag, Stock No. 762407.

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, Roll-Up

Description: Reversible "STOP/SLOW", 24-in diameter, roll-up, includes handle, staff and bag.

Matl. Std: None

Stock Unit: EA



Stock No.	Pacific Safety Catalog No.
765188	#RF 243

Tape, Barricade

Description: 3-in width, 1000-ft rolls, 3 mils thick (±1 mil), black printing

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

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.



SCL Matl. Std.: none

012245

012246

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

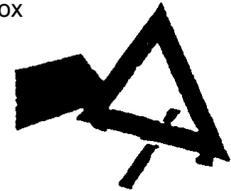
Description: set of 3 in storage box

Per DOT Spec.: MVSS-125

SCL Matl. Std.: none

Stock Unit: EA

Stock No.: 762410



Tools, Environmental and Hazard Disposal

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 Unit: EA

Stock Number	Item	Description
761161	container	1.4 quart, for collection of used hypodermic needles found during the course of City Light work. Becton-Dickinson & Co. No. 5487
761162	container	Single syringe/needle size, plastic for collection of used needles. Normed No. 7787
761164	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	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	label	"BIOHAZARD", 4" x 4" orange adhesive with black biohazard symbol. To label contaminated items for disposal. Normed No. 7705 or equivalent.
761167	envelope	5-1/2" x 10" back loading, press-on. Printed "Hazardous Waste". 1000 units per carton. Associated Bag Co. 45-2-82 or equivalent.
761168	envelope	5-1/2" x 10" back loading, press on, clear. 1000 units 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

BIOHAZARD TONGS

Description: Biohazard tongs are used to handle sharps.

SCL Matl Std.: 7612.09

Stock Unit: EA

Stock No.: 014380



STOCK CATALOG**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
726332	ABSORBENT MATERIAL, for oil and water on floors and decks.	LB	-	Matl. Std 7263.3
726335	OIL ABSORBENT MATERIAL, petroleum and solvents - rejects water.	EA	5 gal. buckets	Mantek Spill Mate #4625

Tools, Environmental and Hazard Disposal

Drums

Description: Polyethylene drums and steel drums. 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.

Matl. Std.: 7659.12

Stock Unit: EA



Stock No.	Capacity (gal)	Head Type	Material
755500	5	Closed	Polyethylene
755100	5	Closed	Steel
755200	10	Open, with gasketed cover	Steel
755300	20	Closed	Steel
755400	20	Open, with gasketed cover	Steel
014274	30	Closed	Steel
014275	55	Closed	Steel
014276	55	Open, with gasketed cover	Steel

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

Stock Unit: EA

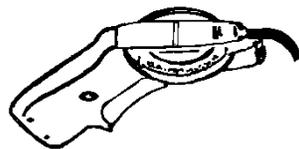
Stock No.	Description	Brady Cat. No.
010389	Black print on white tape refill, 2-1/4" x 75'	64740
010390	Black print on yellow tape refill, 2-1/4" x 75'	64404

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. Stock No. 013563 is used by the warehouse to create bin labels.

SCL Matl. Std.: none

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
013563	White, tape refill, 2.25" x 100'	113111

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

Number and Letter Tags, Polyethylene, 7/8" by 1-9/16" and Holder**Number and Letter Tags, Polyethylene, 7/8" by 1-9/16" and Holder**

Description: Polyethylene letter and number cable tags and related holder. These tags and holders are used to mark underground cables. Tags may also be used to mark other utility assets.

Tags are typically attached to cables using nylon zip ties.

Individual tags are available as separate stock items to repair damaged tags or replenish kits.



Matl. Std.: 7650.15

Stock Unit: Number tags and holders: EA

Stock No. Description

014212	0
014213	1
014214	2
014215	3
014216	4
014217	5
014218	6
014219	7
014220	8
014221	9
014222	A
014223	B
014224	C
014225	D
014226	E
014227	F
014228	G
014229	H
014230	I
014231	J
014232	K
014233	L
014234	M
014235	N
014236	O
014237	P
014238	Q
014239	R
014240	S
014241	T
014242	U
014243	V
014244	W
014245	X
014246	Y
014247	Z
014255	FROM
014256	TO
014254	Holder

Electrical Testers, Multimeters, and Fuse Puller

Fuse Puller, 7-1/2 inch, Pocket Size

Description: Insulated. Can be used to remove cartridge fuses 1/2- to 1-inch in diameter in equipment up to 600 V.

Matl. Std.: None

Stock Unit: EA



Stock No.	Manufacturer	Catalog No.
764807	Ideal	34002

Voltage Tester, 120/600 V, "Wiggy"

Description: Commonly referred to as a "wiggy," this spring-loaded, solenoid device is used to detect the simple presence or absence of voltage or continuity.

Matl. Std.: None

Stock Unit: EA



Stock No.	Manufacturer	Catalog No.
765850	Knopp	14460

Continuity and Voltage Tester

Description: This instrument is the modern-day, digital replacement for spring-loaded, solenoid testers commonly known as Wiggys. It is used by field personnel who require an easy-to-use, but sophisticated, continuity and voltage tester that mimics the function, form, and durability of the traditional Wiggy. For voltages between 240 V and 600 V, the duty cycle is limited to 30 s on / 300 s off. For voltages above 240 V, the tester must connect to a voltage source only for a MAXIMUM of 30 s and then disconnect for a MINIMUM OF 300 s.

Matl. Std.: 7659.35

Stock Unit: EA



Stock No.: 014329

Electrician's True-RMS Multimeter

Description: Used to test for varied voltage levels and its non-contact voltage tester can detect the presence of voltage without leads. 0.1 to 600 Volts AC/DC, ohms, capacitance.

Matl. Std.: 7659.39

Stock Unit: EA



Stock No.: 765860

Flashlights, Lanterns, and Dry Batteries

Flashlight, LED Type and Accessories

Description: LED (light emitting diode) type flashlight, 140 lumens, impact- and water-resistant. Powered by three AA cells. For general purpose, hand-held lighting needs.

An 8-inch long, red polypropylene traffic wand for use in nighttime traffic conditions is ordered separately.

Matl. Std.: 7659.21
Stock Unit: EA



Stock No.	Description
013156	LED flashlight
014115	Traffic wand

Batteries, Alkaline

Matl. Std.: 7660.24
Stock Unit: EA

Stock No.	Type	Voltage	Used With	Electrolyte	NEDA ^a Type	Eveready Catalog No.	Ray-O-Vac Catalog 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 V transistor	9	Testers and equipment	Alkaline	1604AC	EN22	AL-9V
760185	6 V lantern w/ spring terminals	6	Lantern	Alkaline	924	EN529	806

^a National Electronic Distributors Association

Batteries, Barricade Flashers

Matl. Std.: None
Stock Unit: EA

Stock No.	Type	Voltage	Used With	Electrolyte	NEDA ^a Type	Eveready Catalog No.	Ray-O-Vac Catalog No.
760186	6 V lantern w/ screw terminals	6	Barricade flashers	-	925	EV10S	945R4C

^a National Electronic Distributors Association

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	
		Crescent	
764745	6	H26	
764747	8	H28	
764749	10	H210	

PLIERS, Lineman's, Side Cutting

Per SCL Matl. Std.: none
 Stock Unit: PR

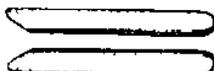


Stock No.	Size, in.	Approved Manufacturer	
		Klein	
		Round Nose	Square Nose
764764	8	-	D201-8
764772	9	-	D213-9
764773 *	9	D2000-9NE-CR -	

*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



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 "Crestology", 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



SEATTLE CITY LIGHT
STOCK CATALOG

STOCK CLASS: **76**

PAGE: **27**

SUPERCEDING: March 12, 2001
 EFFECTIVE DATE: October 19, 2005

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

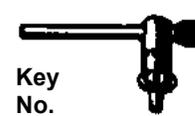
Stock No.	Size, in.
761364	3/8



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: Irwin 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



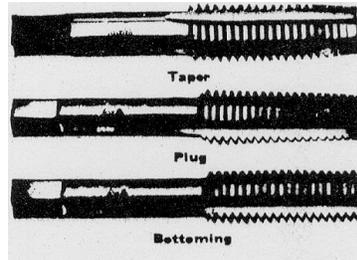
TOOLS - TAPS

TAPS, HIGH-SPEED STEEL 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

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

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

TAPS, PIPE

High-speed steel, ground thread, right hand
 Per Fed. Spec. GGG-T-581
 Type I, Class I
 Stock Unit: Each



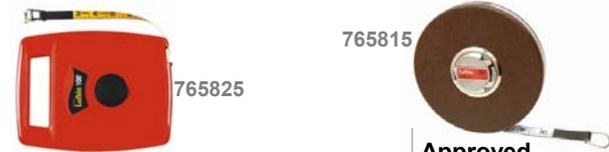
Stock No.	Pipe Size In.	Threads Per In.
765720	1/8	27
765721	1/4	18
765722	3/8	18
765723	1/2	14
765724	3/4	14
765725	1	11-1/2

STOCK CATALOG**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	
		Lufkin	Rigid
764999	6	966	1619F

TAPE MEASURE, Steel Blade, Locking

Stock No.	length, ft.	width, in.	Blade	Approved Manufacturer
			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

Stock No.	Fiber Type	length, ft.	width, in.	Blade	Approved Manufacturer
				Cooper Lufkin	
765815	synthetic	050	5/8		HD403
765825	fiberglass	100	1/2		706L

CARPENTER'S CHALK LINEDescription: Yellow, 100-foot bundle
Stock No.: 722844**CARPENTER'S SQUARE, Steel**

Approved Manufacturer

Stock No.	Size, in.	Stanley
		765345

LEVEL, 24-inch, Non Conductive

Stock No.	Approved Manufacturer	
	Empire	Stanley
764360	330-24	42-648

LUMBER CRAYON, Waterproof

Description: Clay base, hexagonal cross-section



Stock No.	Color	Approved Manufacturer
		Dixon
722386	blue	521
722389	red	520-1/2
722392	yellow	496

METALWORKER CRAYONDescription: 5" long, 1/2" wide, 3/16" thick soapstone
Per Federal Spec.: SS-C-661-Clover 1031
Stock No.: 722395**PAINTSTIK MARKER, #B Class**

Stock No.	Marking Usage	Color	Approved Manufacturer
			Markal
722400	poles	white	80220
722403	transformers	orange	80224

TOOLS – FILES

GENERAL INFORMATION

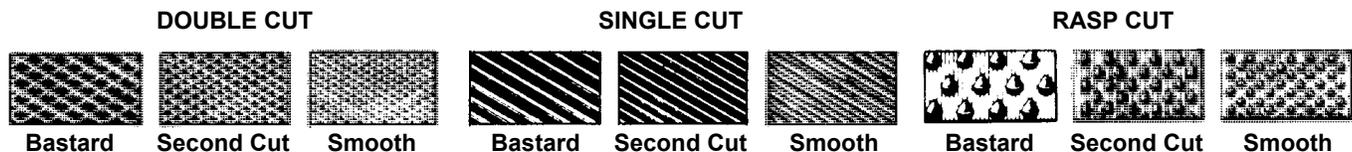
HAND FILES (AMERICAN PATTERN) AND RASPS are for general use, and shall conform to the requirements of Fed. Spec. GGG-F-325, latest revision. (Approved manufacturers from Fed. QPL-GGG-F-325.)

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.



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

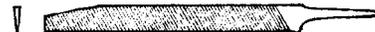
Per Fed. Spec. GGG-F-325 Type VII.
 General purpose files, for machinists, millwrights and other craftsmen.
 Stock Unit: EA



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

SEATTLE CITY LIGHT STOCK CATALOG

STOCK CLASS: **76**
 PAGE: **35**
 SUPERCEDING: December 28, 2004
 EFFECTIVE DATE: October 19, 2005

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

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

typical



ROUND FILES

Per Federal Spec.: GGG-F-325, Type XVI, Class 1.

Application: For enlarging and shaping holes.

Stock Unit: EA

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

typical



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

Stock No.	Length, in.	Diameter, in. + 0.10
761985	8	5/32
761982	8	3/16
761984	8	7/32
761975	8	1/4

typical



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

Stock No.	Length, in.
762172	6
762173	8
762174	10

typical



TAPER FILES

Per Federal Spec.: GGG-F-325, Type VIII.

Application: Flat, for sharpening saws with 60° angle teeth.

Stock Unit: EA

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

typical



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



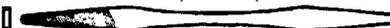
AUGER BIT FILES

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



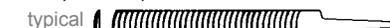
CURVED FILES, MILLED TEETH, STANDARD CUT

Per US Dept. of Com.: Simp. Practice R6.

Application: For babbitt, solder, and other soft metals.

Stock Unit: EA

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

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.

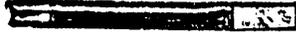
764840



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-12

Stock 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

STOCK CATALOG**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
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: Used between a Prestolite tank and a 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

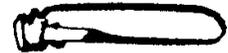
Stock Unit: EA

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.
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.
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.
764725	EA	PICK , railroad or Type 3 clay, 6-pound.
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.
762920	EA	RAKE, Lawn , steel Type 3.
765162	EA	SHOVEL, ROUND POINT , size 2, Type 1, long handle.
765164	EA	SHOVEL, SQUARE POINT , size 2, Type 2, long handle.
765170	EA	SHOVEL, SCOOP , general purpose, long handle, 16 Ga. steel, Eastern Pattern, size 4, Tru Temper® #EB4L or equivalent.
723752	EA	WEDGE , Tool handle, 5/32" x 1-1/16" x 1/2" Grady Cat. No.5
723760	EA	WEDGE , Tool handle, 5/32" x 1-1/16" x 5/16" Grady Cat. No. 10



760022



764718



764725



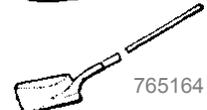
762910



762920



765162



765164



765170



723752

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

HOSE CLAMPS, QUICK RELEASE

Description: Stainless steel, worm drive, 9/16-inch band width
SCL Matl. Std.: None
Stock Unit: EA
Manufacturer: Ideal 5888



Stock No.	Clamp Size (in)		Hose ID (in)	
	Minimum	Maximum	Minimum	Maximum
676315	2	6	2	5-1/2

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

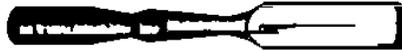
TOOLS – WOODWORKING, GLASS AND WINDOW

CHISEL, 2-Inch Blade

Description: Impact resistant handle and steel driving cap.

SCL Matl. Std.: none

Stock Unit: EA

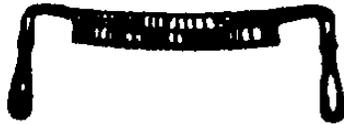


Stock Number	Length, in	Approved Manufacturer
		Stanley
760920	24	16-632

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

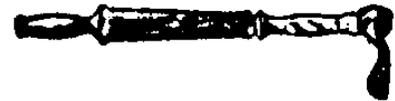
Application: For

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



Stock No	Type	Min. Bristle Dim., in				Bristle Type	Approved Manufacturers				
		Width	Thick-ness	Length, Out			Best/Liebco	Coast	Richards ORD#	Wooster	Zimmerman
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	-

MISCELLANEOUS PAINT BRUSHES

SCL Matl. Std.: none
Stock Unit: EA

Stock No	Type	Min. Bristle Dim., in			Bristle Type	Approved Manufacturers			
		Dia	Length, Out			Best/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.

Cleaning Supplies

Cleaning Supplies	
Description: Cleaning supplies are for general cleaning and building maintenance. Matl. Std.: 7395.17 Stock Unit: EA	
Stock No. 775205 Description: Broom, corn, mill, heavy duty	
Stock No. 775215 Description: Broom, corn, whisk	
Stock No. 775230 Description: Brush, floor, 18 in, with handle	
Stock No. 775235 Description: Brush, floor, 24 in, Type 1, with handle	
Stock No. 775240 Description: Brush, floor, 24 in, Type 2, with handle and brace	

Stock No. 775216
Description: Brush, street, push, 16 in, with handle



Stock No. 763899
Description: Handle, floor brush, 60 in, 15/16" diameter



Stock No. 775245
Description: Brush, scrub, floor, palmyra fiber Flo-Pac FR276



Stock No. 775250
Description: Brush, window with 5-ft handle



Stock No. 775217
Description: Handle, replacement for push broom, 1-1/8" diameter



Stock No. 775226
Description: Brush, gong, 8-inch



Stock No. 775227
Description: Brush, gong, 19-3/4-inch



Cleaning Supplies

Cleaning Supplies	
Description: Cleaning supplies are for general cleaning and building maintenance. Matl. Std.: 7395.17 Stock Unit: EA	
Stock No. 775221 Description: Brush, bowl	
Stock No. 775218 Description: Brush, counter	
Stock No. 764709 Description: Pail, galvanized, 14 quart	
Stock No. 775283 Description: Bucket, mop, 26 quart	
Stock No. 775284 Description: Bucket, mop, wringer	
Stock No. 776300 Description: Mop head, 32 oz, 8-ply cotton	

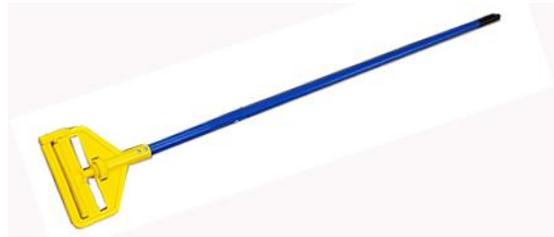
Stock No. 776305
Description: Mop head, 24 oz, 8-ply cotton



Stock No. 776306
Description: Mop head, 20 oz, cotton/synthetic



Stock No. 777425
Description: Handle, mop, screw type, 60 in



Stock No. 762428
Description: Force cup, ball-shaped



Stock No. 764715
Description: Dustpan, 20-gauge steel



Stock No. 777380
Description: Sponge, cellulose



Stock No. 765350
Description: Squeegee, floor



STOCK CATALOGsuperseding: May 30, 2012
effective date: June 25, 2018**Cleaners and Soap****Cleaners and Soaps**

Matl. Std.: 7395.23

Stock Number	Stock Unit	Description
775004	CN	CLEANER, GERMICIDAL , spray foam.
775460	CN	SCOURING POWDER , with bleaching agent.
775485	BX	CLEANER , paint or linoleum, Spic & Span
775495	EA	PIPE AND DRAIN CLEANER , powdered. "DRANO" in 32 oz. containers.
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.
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 , Simple Green

Hand Soap

Matl. Std.: 7395.23

Stock Number	Stock Unit	Description
775448	EA	POWDER , in 12 oz. shaker cans, Borax
775450	LB	POWDER , for dispensers, 5 lb. box.
777365	EA	CAKE , grit, 4 or 4-1/2 oz. bars, mildly abrasive, for grease & stains. Lava.
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.

Building Maintenance Supplies
Sweeping Compounds, Polishes and Deodorants

Sweeping Compound

Matl. Std.: 7395.23

Stock Unit: LB

Stock

No.	Description
726390	SAWDUST AND MINERAL OIL MIXTURE meeting the requirements of UL for sweeping compounds.

Deodorants and Disinfectants

Matl. Std.: 7395.23

Stock

No.	Unit	Description
775600	EA	DEODORANT, TOILET, 4 oz. cakes (12 cakes/box)
776755	BO	DISINFECTANT, environmentally preferable.

Polish

Matl. Std.: 7395.23

Stock

No.	Unit	Description
776960	EA	POLISH, METAL, in 32 oz. bottles

STOCK CATALOGsuperseding: August 30, 2006
effective date: June 25, 2018**Building Maintenance Supplies - Paper Goods, Shop Towels, Rags, Waste Cans and Liners****PAPER TOWELS****Matl. Std.:** 7395.26

Stock No	Stock Unit	Size	Description
777610	BX	9.1 in x 16.8 in	Towel, paper, teri, heavy-duty, disposable, pop-up box
013150	BX	10.8 in x 10 in	Towel, paper, teri, light-duty, disposable, pop-up box
777609	PK	–	"C" Fold
777626	RL	8 in max. W x 450 ft L	Roll type, single ply, to fit Crown Z cabinets
777627	RL	8 in max. W x 1000 ft L	Roll type, single ply, to fit K-C dispensers

CAN LINERS, Plastic, Disposable**Description:** Disposable, plastic can liners.**Application:** For lining waste cans and other miscellaneous uses. Opaque liners are for collecting trash. Clear liners are used for collecting recyclables.**Matl. Std.:** none

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

SHOP TOWELS**Matl. Std.:** 7395.26**Description:** 18 in square cotton.

Stock No.	Stock Unit	Color
777210	EA	white

TOWEL DISPENSER**Stock Unit:** EA

Stock No.	Description
777646	Dispenser, for Teri Towels (Stock Nos. 777608, 777610)

PAPER CUPS**Matl. Std.:** 7395.26**Stock Unit:** TU

Stock No.	Type	Size, oz	Description
775590	without handle	5	for cold liquids
775594	with handle	8	for hot liquids

TOILET PAPER**Matl. Std.:** 7395.26**Stock Unit:** RL

Stock No.	Type	Description
776925	1	Single ply, 500 sheet roll

CUP DISPENSERS**Description:** Metal, adjustable.

Stock No.	Stock Unit	Type	Size, oz
761352	EA	paper	5
761353	EA	paper	8

TOILET SEAT COVERS**Matl. Std.:** 7395.26**Description:** Quarter fold, tear-out center.**Stock No.:** 775580**Stock Unit:** CS**GALVANIZED GARBAGE CANS****SCL Matl. Std.:** 7395.37

Stock No.	Stock Unit	Size, gal
722232	EA	32

SANITARY PRODUCTS

Stock No.	Stock Unit	Description
726870	CS	Bags, for sanitary napkin disposal

DISPOSABLE URINAL BAGS**Application:** For relief in the field when toilet facilities are not readily available. "Brief Relief"™ brand.**Stock Unit:** BG**Stock No.:** 776944

Masonry Anchors

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



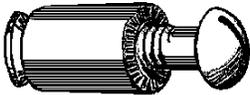
Stock No.	Stock Unit	Internal Thread Dia (in)	Anchor Length (in)	Allowable Working Load in 4000 psi Concrete (lb)	
				Tension	Shear
012960 E	PK/50	1/2	2	1840	2760
012386 E	PK/25	5/8	2-9/16	2630	4510

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 (lb)
780071 E	8-32	5/16	1/2	100
780072 E	10-24	3/8	5/8	150
780074 E	1/4-20	1/2	7/8	200
780075 E	5/16-18	5/8	1	300
780076 E	3/8-16	3/4	1-1/4	450
780078 E	1/2-13	7/8	1-1/2	600

Masonry Anchors, Stud Bolts

Anchor, Stud Bolt, 304/316 Stainless Steel, Wet Environments

Description: 304/316 stainless steel type. Provides masonry anchoring for permanent installations in wet environments. Masonry anchors are also known as expansion anchors. Includes stainless steel nuts and washers.

304 type anchors are for use in non-corrosive environments.
 316 type anchors are for use in corrosive environments. Both are seismically qualified.

For allowable loads, see the Hilti Kwik Bolt Stainless Steel 304\316 Product Technical Guide. For ratings of older versions of Kwik Bolt, contact Standards.



Matl. Std.: 7800.95

Stock Unit: EA

Stock No.	Size (in)	Type
780032	1/2 x 3-3/4	304
013666	1/2 x 4-1/2	"
780147	5/8 x 3-3/4	"
780033	3/4 x 7	"
780141	1/2 x 3-3/4	316
780143	1/2 x 5-1/2	"
780034	5/8 x 4-3/4	"
780145	5/8 x 6	"

Anchor, Stud Bolt (Kwik Bolt 3), Carbon Steel, Dry In-Building

Description: Carbon steel type. Provides masonry anchoring for permanent, dry in-building installations. Masonry anchors are also known as expansion anchors.

For allowable loads, see the Hilti Kwik Bolt Stainless Steel 304\316 Product Technical Guide. For ratings of older versions of Kwik Bolt, contact Standards.



Matl. Std.: 7800.96

Stock Unit: EA

Stock No.	Size (in)
780104 E	3/8 x 3
780105 E	3/8 x 3-3/4
780111 E	1/2 x 3-3/4
780113 E	1/2 x 5-1/2
780024 E	5/8 x 4-3/4
780115 E	5/8 x 6
780023 E	3/4 x 7

Anchor, Stud Bolt (Kwik Bolt 3), Carbon Steel, Light Duty

Description: Carbon steel type. For light-duty, temporary masonry anchoring. Masonry anchors are also known as expansion anchors.

For allowable loads, see the Hilti Kwik Bolt 3-Carbon Steel Product Technical Guide. For ratings of older versions of Kwik Bolt, contact Standards.



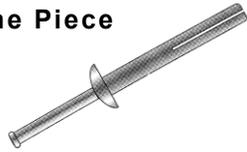
Matl. Std.: 7800.97

Stock Unit: EA

Stock No.	Size (in)
780091	1/4 x 1-3/4
780092	1/4 x 2-1/4
780095	1/4 x 3-1/4
780103	3/8 x 2-1/4
780022	1/2 x 2-3/4

Anchor Devices

ANCHOR, Nail Drive, One Piece
 Per SCL Matl. Std.: 7800.72
 Stock Unit: EA



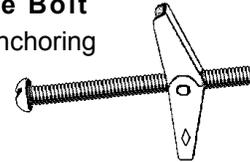
Stock No.	Size, in.	Manufacturer and Catalog No.
780010E	1/4 x 1	Powers Zamac Nailin 2808
010335E	1/4 x 1-1/2	Powers Zamac Nailin 2820

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

Nails and 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
013517E	EA	2	5/8	Cut	Galvanized



NAILS, COMMON

Description: Hot-dip galvanized

Matl. Std: 7800.15

Stock Unit: LB

Stock Number	Size
782415	6d



NAILS, COMMON

Matl. Std: 7800.15

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

Matl. Std: 7800.15

Stock Unit: PK (2-3/4 oz per pk)

Stock Number	Diameter Inches	Length Inches
782286	#18 (.0475)	1

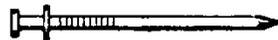


NAILS, DOUBLE-HEAD, SCAFFOLD

Matl. Std: 7800.15

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

Matl. Std: 7800.15

Stock Unit: LB

Stock Number	Size - Inches		
	Length	Diameter	Head Diameter
782426	8	3/8	3/4



Self-Tapping and Self-Drilling Screws

SCREWS, SELF-TAPPING, PAN HEAD, SQUARE DRIVE

Description: Zinc plated steel.

Matl. Std.: 7801.50

Stock Unit: EA



Stock No.	Size	Length, in
571807 E	#12	1
571806 E	#12	2

SCREWS, SHEET METAL TAPPING, PAN HEAD, SLOT DRIVE

Description: Zinc plated steel.

Matl. Std.: 7801.50

Stock Unit: EA



Stock No.	Size	Length, in
787182 E	#8	3/4
787190 E	#10	3/4
787200 E	#12	3/4

SCREWS, SELF-DRILLING, HEX WASHER HEAD

Description: Stainless steel. For attaching setscrew lug, Stock No. 012564 E, to streetlight mast arm.

Matl. Std.: 7801.50

Stock Unit: EA



Stock No.	Gauge	Hex Head Size, in	Approximate Major Diameter, in.	Length, in
012565 E	14	3/8	0.242	3/4

Lag Screws

Lag Screws, Gimlet Point

Description: Zinc-coated steel, square head, gimlet-point; 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.

Matl. Std.: 7852.10

Stock Unit: EA



Stock No.	Size, nominal (in)	Length (in)
785211 E	1/4	1-1/4
785212 E		2
785213 E		2-1/2
785214 E		3
785215 E		3-1/2
785226 E	5/16	1-1/2
785227 E		2
785229 E		3
785241 E	3/8	1-1/2
785242 E		2
785243 E		2-1/2
785244 E		3
785245 E		3-1/2
785259 E	1/2	3
013746 E		4

Lag Screws, Fetter Drive

Description: Zinc-coated steel, square head, fetter-drive; 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.

Matl. Std.: 7852.10

Stock Unit: EA



Stock No.	Size, nominal (in)	Length (in)
785246 E	3/8	4
785261 E	1/2	4
785265 E		6

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

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

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

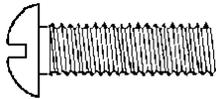
Stock Unit: EA

Nominal Size, in.	Threads per in.	Stock No.
1/2	13	783558
5/8	11	783560

Machine Screws, Round Head

ROUND HEAD SLOTTED, ZINC-PLATED STEEL

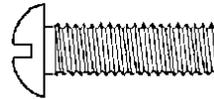
Matl. Std: 7801.45
Stock Unit: EA



Stock No.	Size, Nominal	Length (in)
786526 E	1/4-20	5/8

ROUND HEAD SLOTTED, BRASS

Matl. Std: 7801.45
Stock Unit: EA



Stock No.	Size, Nominal	Length (in)
012255 E	8-32	5/8
785787 E	10-32	3/4
013529	10-32	1

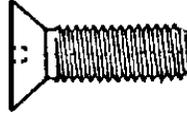
Machine Screws, Flat Head and Flat Hex Socket Head

FLAT HEAD, PHILLIPS, BRASS

SCL Matl. Std: 7801.45

For wet vault lighting.

Stock Unit: EA

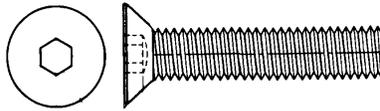


Stock No.	Size	Length (in)
012256E	6-32	3/4

HEX SOCKET FLAT COUNTERSUNK HEAD CAP SCREW, For IWCB Bus, Stainless Steel

SCL Matl. Std: 7801.45

Stock Unit: EA



Stock No.	Size	Length (in)
784440	5/8-11	1-1/2

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.	Nominal Size, in.	Threads per in.	Minimum Thread Length, in.	Length, in.	Stock No.					
1/4	20	full	1/2	784701 E	1/2	13	full	3/4	784823 E					
			3/4	784703 E				1	784825 E					
		1	784705 E	1-1/4				784826 E						
		1-1/4	784706 E	1-1/2				784827 E						
		1-1/2	784707 E	1-3/4				784828 E						
		1-3/4	784708 E	2				784829 E						
		2	784709 E	2-1/4				784830 E						
		2-1/4	784710 E	2-1/2				784831 E						
		2-1/2	784711 E	2-3/4				784832 E						
		2-3/4	784712 E	3				784833 E						
		3	784713 E	3-1/4				784834 E						
		4	784717 E	3-1/2				784835 E						
		5	784837 E	4				784837 E						
		5	784841 E	5				784841 E						
5/16	18	full	1/2	784731 E	5/8	11	full	1	784885 E					
			3/4	784733 E				1-1/4	784886 E					
		7/8	1	784735 E				1-1/2	784887 E					
		1-1/4	784736 E	1-3/4				784888 E						
		1-1/2	784737 E	2				784889 E						
		1-3/4	784738 E	2-1/4				784890 E						
		2	784739 E	2-1/2				784891 E						
		2-1/4	784740 E	2-3/4				784892 E						
		2-1/2	784741 E	3				784893 E						
		2-3/4	784742 E	3-1/2				784895 E						
		3	784743 E	4				784897 E						
		3/8	16	full				3/4	784763 E	3/4	10	full	1-1/2	784917 E
								1	784765 E				1-3/4	784918 E
				1				1-1/4	784766 E				1-3/4	2
1-1/2	784767 E			2	784921 E									
1-3/4	784768 E			2-1/2	784922 E									
2	784769 E			2-3/4	784923 E									
2-1/4	784770 E			3	784925 E									
2-1/2	784771 E			4	784927 E									
2-3/4	784772 E			3-1/2	784925 E									
3	784773 E			4	784927 E									
3-1/2	784775 E													
7/16	14			full	1	784795 E								
					1-1/8	1-1/4	784796 E							
					1-1/2	784797 E								
			2	784799 E										

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
3/8	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.

SCL Matl. Std.: 7847.2

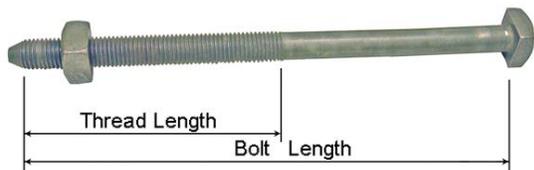
Stock Unit: EA



type marking

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	
5/8	1-1/2	2	780827 E	
		2-1/2	780828 E	
		3-1/2	780831 E	
	3	5	6	780834 E
			7	780836 E
			7	780838 E
	4	8	10	780840 E
			10	780844 E
		6	12	780845 E
			14	780846 E
			16	780847 E
			18	780848 E
	3/4	6	20	780849 E
			22	780850 E
			24	781040 E
30			781046 E	
12			780875 E	
14			780876 E	
7/8	6	16	780877 E	
		18	780878 E	
		20	780879 E	
		22	780880 E	
		24	781070 E	
		26	781072 E	
		12	012636 E	
		14	012637 E	
		16	012638 E	
		18	012639 E	
		20	012640 E	
		22	012643 E	
24	012641 E			
26	012642 E			

Nominal Size, in.	Minimum Thread Length in.	Product Length in.	Stock Number	
1/2	1-1/4	1-1/2	780794 E	
		2	780796 E	
		3	780800 E	
	3	4-1/2	4-1/2	780803 E
			5	780804 E
			5-1/2	780805 E
			6	780806 E
			7	780808 E
	4	8	8	780810 E
			9	780812 E
			10	780814 E
	6	12	12	780815 E
			14	780816 E
			16	780817 E
			18	780818 E

Fasteners, Carriage Bolts

Carriage Bolts, High Strength

Description: High-strength, zinc-coated, steel carriage bolts.
 For use with overhead travelers for installation
 of overhead conductors.

Matl. Std.: 7804.12
Stock Unit: EA



Stock No.	Size, nominal (in)	Threads Per Inch	Thread Length (in)	Bolt Length (in)
013487	7/16 x 8-1/2	14	5-1/2	8-1/2

Carriage Bolts, General Use

Description: Zinc-coated carriage bolts. For general use.
 Provided with one square (or hex) nut.

Matl. Std.: 7804.1
Stock Unit: EA



Stock No.	Size, nominal (in)	Thread Length (in)	Bolt Length (in)
780434 E	1/4	3/4	1-1/2
780436 E	1/4	3/4	2
780438 E	1/4	3/4	2-1/2
780440 E	1/4	3/4	3
780441 E	1/4	3/4	3-1/2
780442 E	1/4	3/4	4
780443 E	1/4	3/4	4-1/2
780445 E	1/4	3/4	5-1/2
780468 E	5/16	7/8	2-1/2
780471 E	3/8	7/8	3-1/2
780492 E	3/8	1	1
780494 E	3/8	1	1-1/2
780496 E	3/8	1	2
780498 E	3/8	1	2-1/2
780500 E	3/8	1	3
780501 E	3/8	1	3-1/2
780502 E	3/8	1	4
780503 E	3/8	1	4-1/2
780504 E	3/8	1	5
780505 E	3/8	1	5-1/2
780506 E	3/8	1	6
780507 E	3/8	1-1/4	6-1/2
780510 E	3/8	1-1/4	8
780524 E	1/2	1-1/4	1-1/2
780530 E	1/2	1-1/4	3
780533 E	1/2	1-1/4	4-1/2
780534 E	1/2	1-1/4	5

Continued on following page

Carriage Bolt Assembly and Replacement Parts

Description: Used for rigging the traveler for installation of overhead conductors.
Assembly consists of a carriage bolt, wing nut, and flat washer.

Matl. Std.: 7804.60
Stock Unit: EA



Stock No.	Description	Dimensions, nominal (in)
013486	Carriage bolt assembly	n/a
013487	Carriage bolt, high-strength steel	7/16 x 8-1/2
013488	Wing nut	7/16-14
013489	Flat washer, plain, Type A, narrow	7/16

HEX AND SQUARE NUTS**HEX NUTS, Brass****Description:** Brass nuts with unified course threads.**Application:** Smaller sizes for general use.**SCL Matl. Std.:** 7829.81**Stock Unit:** EA

Nominal Size	Threads per in	Stock No.	Nominal Size	Threads per in	Stock No.
4	40	783222 E	1/4	20	783231 E
6	32	783225 E	5/16	18	783302 E
8	32	783226 E	3/8	16	783303 E
10	32	783227 E			
12	24	783229 E			

HEX NUTS, Brass, Jam**Description:** Brass jam nut with unified course threads.**Application:** Used in combination with a thicker nut to provide resistance to loosening.**SCL Matl. Std.:** 7829.81**Stock Unit:** EA

Nominal Size (in)	Threads per in	Manufacturer	Catalog No.	Stock No.
5/8	11	Fasteners Inc.	0103.062. 01.17	783311 E

HEX NUTS, Silicon Bronze**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 No.
1/4	20	783321 E
5/16	18	783322 E
3/8	16	783323 E
1/2	13	783325 E
5/8	11	783326 E
3/4	10	783327 E

**HEX NUTS, Steel, Zinc-Coated****Description:** Zinc-coated steel nuts with unified course threads.**Application:** Smaller sizes for general use.**SCL Matl. Std.:** 7829.81**Stock Unit:** EA

Nominal Size	Threads per in	Stock No.	Nominal Size (in)	Threads per in	Stock No.
4	40	783262 E	10	32	783267 E
6	32	783265 E	10	24	783268 E
8	32	783266 E	12	24	783269 E

HEX NUTS, Steel, Zinc-Coated**Application:** Hex nuts are used in the underground system, networks, substations, and in a variety of other applications.**SCL Matl. Std.:** 7829.90**Stock Unit:** EA

Nominal Size (in)	Threads per in	Stock No.
1/4	20	782982 E
5/16	18	782983 E
3/8	16	782984 E
7/16	14	012283 E
1/2	13	782986 E
5/8	11	010162 E
3/4	10	782989 E

**HEX NUTS, Steel, Zinc-Coated, HDG****Application:** Hex nuts are used in the underground system, networks, substations, and in a variety of other applications. One-inch heavy duty hex nuts (Stock No. 013508) are used in conjunction with cross plate anchors (Stock No. 562058).**SCL Matl. Std.:** 7829.90**Stock Unit:** EA

Nominal Size (in)	Threads per in	Stock No.
3/8	16	783114 E
1/2	13	783116 E
5/8	11	783118 E
3/4	10	783119 E
1	8	783121 E
1	8	013508

**SQUARE NUTS, Steel, Zinc-Coated, HDG****Application:** Square nuts are generally used in the overhead system.**SCL Matl. Std.:** 7829.90**Stock Unit:** EA

Nominal Size (in)	Threads per in	Stock No.
1/2	13	783076 E
5/8	11	783078 E
3/4	10	783079 E
7/8	9	012652 E

**HEX NUTS, Stainless Steel****Application:** Hex stainless steel nuts are used for making electrical connections and a replacement part for kits specified in SCL 7820.0.**SCL Matl. Std.:** 7829.90**Stock Unit:** EA

Nominal Size (in)	Threads per in	Stock No.
1/2	13	014208



Nuts, Wing and Palnut

WING NUTS

PLAIN WING, BRASS, TYPE A

SCL Mtl. Std.: 7830.05

Stock Unit: EA

Stock No.	Size, in.
783376 E	1/4 - 20



PALNUTS

PALNUTS, Steel, Zinc-Coated

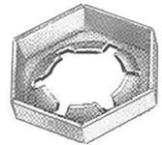
Description: Regular, zinc-coated, steel palnuts.

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.: 7829.95

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.: 7846.20

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	788022 E
5/16	788025 E
3/8	788024 E
1/2	788026 E
5/8	788027 E
3/4	788028 E

**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.: 7880.32

Stock Unit: EA



Size, in.	Stock No.
1/4	788006 E
1/2	788010 E

SPLIT LOCK, Helical Spring, Aluminum

Description: Plain flat washers conforming to ANSI B18.21.1, 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.: 7846.20

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.: 7880.32

Stock Unit: EA

Number	Stock No.
6	788117 E
8	788118 E
10	788119 E

**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	788121 E
5/16	788122 E
3/8	788123 E
1/2	788125 E
5/8	788126 E
3/4	788127 E

**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	788101 E
5/16	788102 E
3/8	788103 E
1/2	788104 E
5/8	788105 E



Steel Washers – Flat and Curved

FLAT PLAIN, Zinc-Coated

Description: Zinc-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 7829.85 for pole line construction.

SCL Matl. Std. 7880.34
Stock Unit: EA



Size, in./ Number	Stock No.
3/16	788041 E
1/4	788042 E
5/16	788043 E
3/8	788044 E
7/16	788045 E
1/2	788046 E
5/8	788048 E
4	788071 E
6	788072 E
8	788073 E

FLAT ROUND, Hot-Dipped Galvanized

Description: Round, hot-dipped galvanized steel washers.

Application: For pole line construction and other general use.

SCL Matl. Std.: 7829.85
Stock Unit: EA



Size, in.	Bolt Size, in.	Stock No.
1	3/8	585020 E
1-3/8	1/2	585025 E
1-3/4	5/8	585030 E
2	3/4	585035 E
2-1/4	7/8	585040 E
2-1/2	1	585045 E

FLAT SQUARE, Hot-Dipped Galvanized

Description: Flat square, hot-dipped galvanized steel washers.

Application: For pole line construction and other general use.

SCL Matl. Std.: 7829.85
Stock Unit: EA



Size, in.	Bolt Size, in.	Stock No.
3 x 3	1/2	584945 E
3 x 3	5/8 to 3/4	584947
4 x 4	1	584963 E
2-1/4 x 2-1/4	5/8 to 3/4	585135 E
1-5/8 x 1-5/8	3/4	584928

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

CURVED SQUARE, Hot-Dipped Galvanized

Description: Curved square, hot-dipped galvanized steel washers.

Application: For pole line construction and other general use.

SCL Matl. Std.: 7829.85

Stock Unit: EA



Size, in.	Bolt Size, in.	Stock No.
4 x 4	5/8 x 7/8	584775 E

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.: 7820.19

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.: 7820.19

Stock Unit: EA

Size, in.	Bolt Size, in.	Stock No.
0.188	0.032	584135

DOUBLE COIL LOCK, Helical Spring

Description: 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	584257 E
5/8	584261 E
3/4	584267 E
7/8	012651 E

**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	788180 E

**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.:
5842.10

Stock Unit: EA

Number/ Stock No.
Size, in.

#6	788141 E
#8	788142 E
#10	788143 E
1/4	584252 E
5/16	584253 E
3/8	584250 E
1/2	584255 E
5/8	584260 E
3/4	584265 E



Hardware, Miscellaneous

Turnbuckle

Description: Hot-dipped galvanized turnbuckle.

Matl. Std.: 7801.42
Stock Unit: EA



Stock No.	Type	Thread Diameter (in)	Take Up (in)	Safe Working Load (lb)
787982	H-H	1/2	6	1040
787937	J-J	3/4	6	4000

Running Thread Rod

Description: Zinc-plated running thread rod. Running thread rod is provided in 10-ft lengths.

Matl. Std.: 7801.42
Stock Unit: EA



Stock No.	Description
780998	3/8-16
780999	1/2-13
781000	5/8-11

Coupling Nut

Description: Zinc-plated coupling nut. Used to connect anchors and steel rods.

Matl. Std.: 7801.42
Stock Unit: EA



Stock No.	Size, Nominal (in)
780048 E	3/8
780049 E	1/2
780050 E	5/8

Full-Thread Stud

Description: Silicon bronze, full-thread stud. Full-thread stud has flat chamfered points each end.

Matl. Std.: 7801.42
Stock Unit: EA



Stock No.	Description
786600	3/8-16 x 2-3/8
012944	3/8-16 x 1-1/2

Continued on the following page.

Slip-on Lock Nut

Description: Zinc-plated slip-on nut.
 Slip-on lock nuts are designed to be positioned on a threaded rod at any point, eliminating the need to thread from the end of the rod down. Slip-on lock nuts are twisted open by hand, inserted where desired, then hand twisted closed and tightened with a wrench.

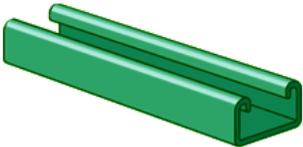
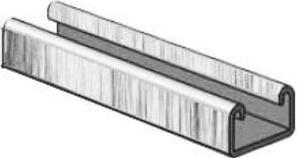
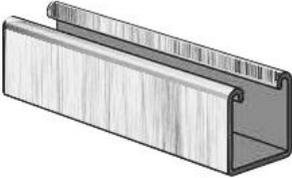
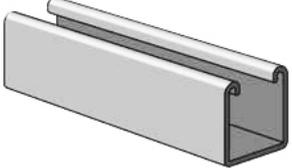


Matl. Std.: 7801.42

Stock Unit: EA

Stock No.	Diameter (in)	Thread Size	Load Limit (lb)
014403	3/8	16	2000
014404	1/2	13	4000
014405	5/8	11	5000

Strut Framing Systems

Strut							
Description: Systems of this type are sometimes referred to as Unistrut; however, Unistrut is simply the name of the manufacturer that popularized the system. Strut is formed of low-carbon strip steel. P4000 series strut is embedded in the walls of vaults smaller than 712. P1000 series strut is embedded in the walls of vaults 712 and larger. P4000 series strut is not available from the warehouse as a separate item.							
Matl. Std.: 7216.75							
Stock Unit: EA							
Stock No.	Width x Height (in)	Gauge	Holes/ Slots	Base Material	Finish	Unistrut Series	
723505	13/16 x 13/32	19	no	steel	coated	P7000	
723506	1-5/8 x 7/8	12	no	steel	hot dip galvanized	P3300	
723510	1-5/8 x 1 5/8	12	yes	steel	hot dip galvanized	P1000	
723502	1-5/8 x 1-5/8	12	yes	aluminum	none	P1000	

Strut Framing Systems

Fittings for Strut

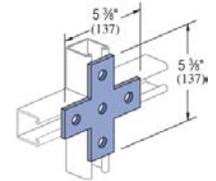
Description: Punch-press made from hot rolled, pickled and oiled steel plates, strip, or coil. Designed for use with 1-5/8 in x 1-5/8 in strut.

Matl. Std.: 7216.75

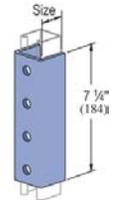
Stock Unit: EA

Stock No.	Description	Finish
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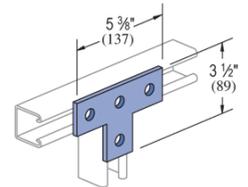
720645	Flat plate, five-hole, cross	electro-galvanized
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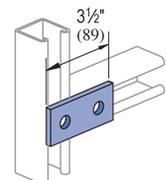
720632	"U" shape, four-hole, connector	electro-galvanized
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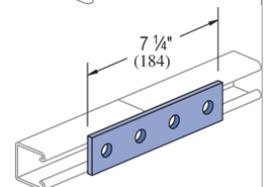
720633	Flat plate, four-hole, tee	electro-galvanized
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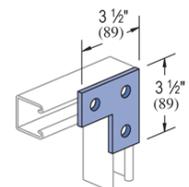
720634	Flat plate, two-hole, strap	electro-galvanized
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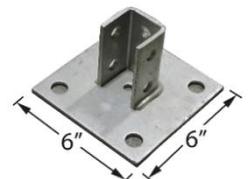
720635	Flat plate, four-hole, strap	electro-galvanized
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010415	Flat plate, three-hole, corner	electro-galvanized
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013659	Post base, square	hot dip galvanized
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Strut Framing Systems

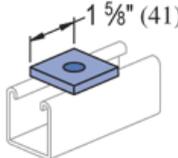
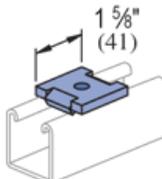
Nuts for Strut

Description: Nuts are made from steel bars, and case-hardened after manufacture. Finish is electro-galvanized.
Matl. Std.: 7216.75
Stock Unit: EA

Stock No.	Description	For Use with Unistrut Channel Series	
723610 723611	Channel stud nut with long spring, 3/8-16 thread, 2-1/8 in stud Channel stud nut with long spring, 1/2-13 thread, 2-1/8 in stud	P1000	
723606 723609 723613	Channel nut with long spring, 1/2-13 thread Channel nut with long spring, 3/8-16 thread Channel nut with long spring, 5/8-11 thread	P1000	
723603 723604 723605 723608 723607 723615	Channel nut with short spring, 8-32 thread Channel nut with short spring, 10-24 thread Channel nut with short spring, 1/4-20 thread Channel nut with short spring, 3/8-16 thread Channel nut with short spring, 1/2-13 thread Channel nut with short spring, 5/8-11 thread	P3300/P4000	
723620 723622 723624	Channel nut with very short spring, 8-32 thread Channel nut with very short spring, 10-24 thread Channel nut with very short spring, 14-20 thread	P7000	

Washers for Strut

Description: Punch-press made from hot rolled, pickled and oiled steel plates, strip, or coil. Designed for use with 1-5/8 in wide strut.
Matl. Std.: 7216.75
Stock Unit: EA

Stock No.	Description	Finish	
788190 788192	Flat washer, 1-5/8 in square, 9/16 in hole Flat washer, 1-5/8 in square, 11/16 in hole	hot dip galvanized hot dip galvanized	
720658 720659	Flat washer, 1-5/8 in square, with tabs, 9/16 in hole Flat washer, 1-5/8 in square, with tabs, 11/16 in hole	electro-galvanized electro-galvanized	

Fiber Optic Overhead Duct and Accessories

Aerial Self-Support Duct

Application: Self-support duct provides aerial placement of fiber optics, coaxial cables and other types of utility cables. It is attached to wood poles and other structures with serpentine clamps.

Aerial self-support duct with 1/4 in strand shall be used for pole to pole spans of less than 225 ft. For spans of greater than 225 ft but less than 400 ft, the use of All Dielectric Self Supporting (ADSS) cable or aerial self-support duct with 3/8 in strand shall be used. For spans of greater than 400 ft, detailed pull and sag calculations are required.

Self-support duct has a weight of approximately 0.413 lb/ft.

Matl. Std.: 7140.25
Stock Unit: FT
Stock No. 014266



Aerial Self-Support Duct Hardware

Application: Self-support duct provides aerial placement of fiber optics, coaxial cables, and other types of utility cables.

Matl. Std.: 7141.25
Stock Unit: EA
Stock No.

012258 Coupler, aerial self-support duct



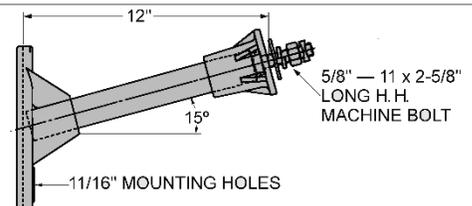
014267 Clamp, serpentine, 1/4 in messenger
 010314 Clamp, serpentine, 3/8 in messenger



012257 Clamp, bonding/grounding



010313 Standoff bracket, communications



Deadend, Guy, Aluminum Automatic Feed-Through

Application: Automatic deadends are used to deadend 1/4-in through 7/16-in aluminum or galvanized steel guy wire and aerial self-support duct.

Matl. Std.: 5650.30
Stock Unit: EA
Stock No. 012084

