SEATTLE CITY LIGHT

MATERIAL STANDARD

STANDARD NUMBER: **6786.00**

SUPERSEDING: November 16, 2004

EFFECTIVE DATE: September 14, 2007

CONNECTOR, TERMINAL, COMPRESSION FOR SUBMERSIBLE INSULATED BUS

1. Application

The compression terminals of the configuration shown are used to connect underground cables to submersible insulated bus (See Material Standard 6780.0).

2. Industry Standards

The connectors shall meet the applicable requirements of the following national standards except as modified herein:

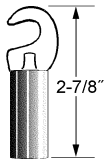
NEMA Standard CC1, Electric Power Connectors for Substations

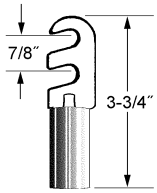
3. Requirements

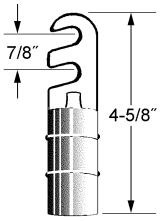
All connectors, except stock number 012729 (which shall be copper) shall be made of 1350 grade aluminum and designed for use with aluminum or copper conductor. All connectors shall conform to EEI Die Code Index for aluminum or copper connector listed below.

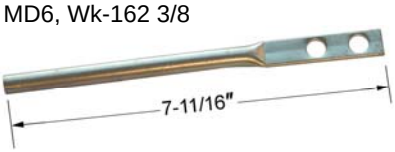
References to conductor sizes below are for stranded or compressed conductors except as noted.

		Approved Manufacturers			
Stock Number	**Conductor Size**	**CMC/ESP**	**Homac**	**T & B/ Blackburn**	**Tool & Die Requirements**
678697	4	LA4	–-	LAC4	Alcoa 11AH Burndy 249 EEI 11A Kearney 840 T&B TX, 76
678695	6	LA6	–-	LAC6	
678687	2/0	LA2-2/0	–-	LAC202	Alcoa 11AH Burndy 249 EEI 11A Kearney 840 T&B TX, 76
678689	4/0	LA2-4/0	DHK 4/0	LAC402	
678692	2	LA2-2	DHK 2	LAC22	
678693	1	LA2-1	DHK 1	LAC12	
678694	1/0	LA2-1/0	DHK 1/0	LAC102	
678696	3/0	LA2-3/0	–-	LAC302	
678698	250 str./comp., 400 comp.	LA2-250	–-	LAC25	Burndy 655 EEI 13A Kearney 1-1/8 T&B 96 U31AR
678699	300-350 str./ comp., 350 comp.	LA2-350	DHB 350	LAC35	
678700	400-500 str./ comp., 500 comp.	LA2-500	DHB 500	LAC50	
012729	#2, str. Cu conductor for transformer ground	–-	–-	LCU 22L	MD6, Wk-162 3/8









4. Inhibitor

The connectors shall be pre-filled with an oxide-inhibiting compound and the ends covered with a plastic cap to prevent contamination or leakage of the inhibitor.

5. Stock Unit: EA

STANDARDS COORDINATOR	STANDARDS SUPERVISOR	UNIT DIRECTOR
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