

Connectors, Grounding, Crossed-Cables, Bronze



1. Scope

This standard covers the requirements of bronze, crossed-cable, grounding connectors.

This standard applies to the following Seattle City Light (SCL) stock numbers:

Stock No	Conductor Range, AWG/kcmil	
	Groove A	Groove B
676644	#4 to 2/0	#4 to 2/0
676647	2/0 to 250	2/0 to 250

2. Application

Connectors are used to connect crossing copper ground conductors.

Connectors are suitable for burial in soil or concrete.

Torque hardware to 20 ft-lb.

3. Industry Standards

Connectors shall meet the applicable requirements of the latest revision of the following industry standards:

ANSI C119.4, American National Standard for Electric Connectors— Connectors for Use between Aluminum-to-Aluminum and Aluminum-to-Copper Conductors Designed for Normal Operation at or Below 93°C and Copper-to-Copper Conductors Designed for Normal Operation at or Below 100°C

UL 467, Standard for Safety Grounding and Bonding Equipment

Standards Coordinator
Quan Wang

Standards Supervisor
John Shipek

Unit Director
Andrew Strong

A handwritten signature in black ink, likely belonging to Quan Wang.

A handwritten signature in black ink, likely belonging to John Shipek.

A handwritten signature in black ink, likely belonging to Andrew Strong.

4. Requirements

Connectors shall have the following attributes:

- Casting made of bronze or copper alloy
- Conductor ranges according to Section 1.
- Silicon bronze or stainless steel hardware, (U-bolts, split lock washers, and nuts)
- U-bolt diameter 3/8-inch

5. Marking

Connectors shall be legibly marked with the following:

- Manufacturer name or trademark
- Catalog number
- Conductor size

6. Packaging

Connectors shall be packaged to prevent damage during shipping, handling, and storage.

Each standard package shall be legibly marked with the following information:

- Manufacturer identification
- Product catalog part number
- Product description
- Seattle City Light stock number
- Quantity

Each shipping container shall be legibly marked with the following information:

- Seattle City Light purchase order number

7. Issuance

Stock unit: EA

8. Approved Manufacturers

Stock No.	Hubbell Power Systems – Burndy	Hubbell Power Systems – Anderson	AFL
676644	GX2626	GC-113-AA	GG13-13
676647	GX2929	GC-113-BB	GG25-25

9. Sources

Stock Catalog Page 65-23; February 2, 2017

Wang, Quan; SCL Standards Engineer, originator, and subject matter expert for 6762.81
(quan.wang@seattle.gov)

www.hubbell.com

www.aflglobal.com