

Connectors, Bolted, Flat to Rod



1. Scope

This standard covers the requirements for flat-to-rod, bolted connectors.
This standard applies to Seattle City Light (SCL) Stock No. 661255.

2. Application

Connectors are used to connect primary cable termination pins (rods) to the flat terminal pads of padmount switches or apparatus.
See SCL 0801.02; "Switchgear, 27 kV, Padmount, Live-Front."

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

ASTM A153 - Standard Specification for Zinc Coating (Hot-Dip) on Iron and Steel Hardware

A handwritten signature in black ink, appearing to read "Quan Wang".

A handwritten signature in black ink, appearing to read "John Shipek".

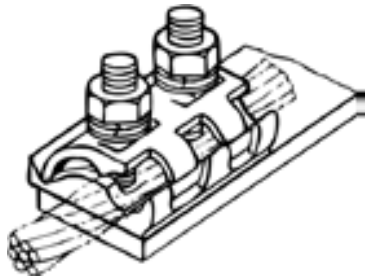
A handwritten signature in black ink, appearing to read "Andrew Strong".

4. Requirements

Connectors shall have the following attributes:

- Bronze body (two clamp halves)
- Tin-plated
- Include two galvanized steel bolts, two Belleville washers and two nuts
- Accommodate single #2 to 500 kcmil stranded copper or aluminum conductor or pin (rod).
- Design as shown in Figure 4

Figure 4. Connector



5. Marking

Connectors shall be legibly marked with the following:

- Manufacturer name or trademark
- Catalog number
- Conductor or pin (rod) range

6. Packaging

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

Connectors shall be shipped assembled.

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

- Manufacturer identification
- Product Catalog part number
- Product description
- Seattle City Light's Stock Number

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

- Seattle City Light Purchase Order Number

7. Issuance

EA

8. Approved Manufacturers

Manufacturer	Catalog No.
S&C Electric Co.	4745

9. References

SCL Construction Standard 0801.02; "Switchgear, 27 kV, Padmount, Live-Front"

10. Sources

S&C 662A-31; S&C Manual PMH Pad-Mounted Gear Specifications, December 19, 2011; S&C Electric Company

Stock Catalog Page 65-19, January 08, 2010

Wang, Quan; SCL Standards Engineer, originator, and subject matter expert for 6689.06 (quan.wang@seattle.gov)