

## Connectors, Wire, Set Screw Type



### 1. Scope

This standard covers the requirements for set screw type wire connectors.

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

Stock No.	Wire Combination Range (AWG)
677194	2 #14 to 2 #10
677195	2 #18 to 2 #12

### 2. Application

Connectors are used to create vibration-resistant splice connection of two or more copper conductors in dry locations only.

Connectors are used in circuits up to 600 V.

### 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 486C**; Splicing Wire Connectors

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#### 4. Requirements

Connectors shall consist of a two-piece, pressure-type connector with a solid brass insert and screw-on insulating cap.

Connectors shall have the following attributes:

- Insulating cap made of thermoplastic
- Flame-retardant cap rated at 150 degrees Celsius
- Sleeve insert made of solid brass
- Slotted screw design
- Include set screw
- Design as shown in Table 4 and Figure 4

**Figure 4. Set Screw Wire Connector**



**Table 4. Set Screw Wire Connector Wire Combination Range**

<b>Stock No.</b>	<b>Wire Combination Range (AWG)</b>
677194	2 #14 to 2 #10
677195	2 #18 to 2 #12

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#### 5. 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 description
- Seattle City Light stock number
- Quantity

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

- Seattle City Light purchase order number

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#### 6. Issuance

Stock unit: EA

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#### 7. Approved Manufacturers

<b>Stock No.</b>	<b>Ideal Industries, Inc. Catalog No.</b>
677194	30-222
677195	30-221

## 8. Sources

**Stock Catalog Page 65-20**; March 17, 1999

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