

Connectors, Twist-Lock, Wing-Type



1. Scope

This standard covers the requirements for wing-type, twist-lock connectors.

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

Stock No.	Wire Combination Range (AWG)
677180	2 #18 to 3 #12
677181	2 #14 to 5 #12
677182	3 #12 to 2 #8

2. Application

Connectors are used to electrically connect two or more copper conductor pigtail ends. For use in dry locations only.

Connectors are used for connections up to 600 volts in building wire or 1000 volts in signs or lighting fixtures.

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

Standards Coordinator
Quan Wang

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Standards Supervisor
John Shipek

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Unit Director
Andrew Strong

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UL 486C, Splicing Wire Connectors

UL 94, Standard for Tests for Flammability of Plastic Materials for Parts in Devices and Appliances

4. Requirements

Connectors shall have the following attributes:

- Insert made of zinc-plated steel
- Housing made of thermoplastic polyester
- Flammability rating: V2 per UL 94
- Flexible skirt
- Operating temperature up to 105 degrees Celsius

5. Packaging

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

Connectors shall be packaged 50 to a box.

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

6. Issuance

EA

7. Approved Manufacturers

Stock No.	Ideal Industries Inc.	3M	NSi Industries LLC
	Twister ProFlex	Performance Plus	Terminator
677180	30-1047 (Red/Yellow)	T/Y+ Box (Tan/Yellow)	TM-OB-100P
677181	30-1047 (Red/Yellow)	R/Y+ Box (Red/Yellow)	TM-TR-100P
677182	30-1047 (Red/Yellow)	B/G+ Box (Blue/Gray)	TM-RY-100P

8. Sources

Stock Catalog Page 65-20; March 17, 1999

3M Wire Connector B/G+ Data Sheet; 2017 78-8121-1127-2 Rev B

3M Wire Connector T/Y+ Data Sheet; 2005 78-8126-6649-9-A

3M Wire Connector R/Y+ Data Sheet; 2017 78-8121-1126-4 Rev B

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Seattle City Light
MATERIAL STANDARD
Connectors, Twist-Lock, Wing-Type

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