

Wedge Connectors, AMPACT Miniwedge



1. Scope

This standard covers the requirements for AMPACT miniwedge connectors.

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

Stock No.	Wire Size	
	Groove 1 (AWG/kcmil)	Groove 2 (AWG/kcmil)
650400	#4	#10-14
650402	#2	#10-14
650404	1/0	#10-14
650406	4/0	#10-14
650410	#4	#4
650412	#2	#4
650414	#2	#2
012384	1/0	#4
650416	1/0	#2
650418	1/0	1/0
012385	2/0	#4
650420	2/0	#2
650422	4/0	#2
650424	4/0	1/0

2. Application

Wedge connectors are used for non-tension, above-ground, aluminum to aluminum and aluminum to copper connections. Wedge connectors are intended for service drops and streetlight service taps, but they may also be applied up to 35 kV.

Wedge connectors are installed with parallel jaw pliers.

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3. Industry Standards

Wedge connectors shall meet the applicable requirements of the latest revision of the following industry standard:

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

4. Requirements

Wedge connectors shall

- Be compatible with both aluminum and copper conductors
 - Be manufactured from extruded heat-treated aluminum
 - Consist of a “C” body and a wedge
 - Be prefilled with an antioxidant inhibitor
 - Indicate the groove of the larger-sized conductor on the “C” body
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5. Markings

Wedge connectors shall be legibly marked with the following:

- Manufacturer name or trademark
 - Conductor size of the wedge groove
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6. Packaging

Wedge connectors shall be packaged individually in plastic bags. A label shall be attached to the outside of each bag that details the following:

- Manufacturer name and symbol
- Wire size and range of each wedge tap
- Manufacturer catalog number
- Date of manufacture
- Seattle City Light stock number

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

- Seattle City Light purchase order number
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7. Issuance

EA

8. Approved Manufacturers

Stock No.	Wire Size		Tyco Electronics Part No.
	Groove 1 (AWG/kcmil)	Groove 2 (AWG/kcmil)	
650400	#4	#10-14	83630-5
650402	#2	#10-14	83630-3
650404	1/0	#10-14	83630-1
650406	4/0	#10-14	83623-9
650410	#4	#4	83592-8
650412	#2	#4	83592-6
650414	#2	#2	83592-5
012384	1/0	#4	83592-3
650416	1/0	#2	83592-2
650418	1/0	1/0	83592-1
012385	2/0	#4	83623-4
650420	2/0	#2	83631-7
650422	4/0	#2	83631-1
650424	4/0	1/0	83631-2

9. Sources

Stock Catalog Page 65-3; (March 02, 2017)

www.te.com

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