

1. Scope

This specification applies to aluminum mini-wedge connectors used in non-tension tap or parallel connections between aluminum-to-aluminum and aluminum-to-copper overhead conductors.

2. Reference Standards

Unless otherwise stated in this specification, aluminum mini-wedge connectors shall comply with the latest revisions of the following standards:

District Standards

Compatible Units Z0670 - Z0698 Mini-Wedge Connectors

Industry Standards

ANSI C119.4-2004 Connectors for Use Between Aluminum-to-Aluminum or Aluminum-to-Copper Conductors

3. Construction

Aluminum mini-wedge connectors shall be manufactured from high conductivity aluminum alloy. Connectors shall consist of a "C" body and wedge components designed to exert constant pressure on both conductors. Connectors shall feature a securing lock to stop the wedge from coming loose after installation. Connectors shall be easily installable by hand with parallel jaw (channel lock) pliers and shall incorporate a means to visually verify the connection. Connectors shall be removable without damaging the conductors.

4. Conductor Range and Packaging Requirements

Refer to the table below for conductor ranges. Each connector shall be pre-applied with oxide inhibiting compound and shall be individually packaged with manufacturer's name, catalog number and wire combinations imprinted on the bag. Total package weight shall not exceed 50 lb.

Material ID	Conductor Size	
	Run	Tap
212796	#6 Sol. - #4 Sol.	#6 Str.
212803	#2 Str.	#14 Sol. - #10 Str.
212811	#2 Str.	#6 Sol. - #4 Sol.
212829	#2 Str.	#2 Str.
212837	1/0 Str.	#2 Str.
1002271	1/0 Str.	1/0 Str.

Material ID	Conductor Size	
	Run	Tap
212845	2/0 Str.	#2 Str.
212879	3/0 Str.	#14 Sol. - #10 Str.
212887	3/0 Str.	#6 Sol. - #4 Sol.
1001442	3/0 Str.	#4 Str. - #2 Sol.
212895	3/0 Str.	#2 Str.
212902	3/0 Str.	1/0 Str.
212910	3/0 Str.	2/0 Str.
212928	4/0 Str.	#2 Str.
212952	336.4 kcmil AAC	#14 Sol. - #10 Str.
212960	336.4 kcmil AAC	#6 Sol. - #4 Sol.