

1. Scope

This specification applies to copper mini-wedge connectors used in non-tension tap or parallel connections on overhead and underground conductors. The connectors shall be used primarily for ground connection applications.

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

Telcordia TR-NWT-001075 Generic Requirements for Outside Plant Bonding and Grounding System Hardware
UL 467 Grounding and Bonding Equipment
UL 486A-486B Wire Connectors

3. Construction

Copper mini-wedge connectors shall be manufactured from high conductivity copper alloy and shall not be tin-plated. Connectors shall not contain inhibitor. Connectors shall be designed for both overhead and direct burial applications. 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 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
212704	#6 Sol. - #6 Str.	#12 Sol. - #10 Str.
212746	#6 Str. - #4 Sol.	#12 Sol. - #10 Str.
212754	#4 Sol. - #4 Sol.	#6 Str. - #4 Sol.
1000826	#2 Sol.	#4 Sol.
1000827	#2 Sol.	#2 Sol.
1001374	1/0 Str.	#6 Sol. - #4 Str.