

DESCRIPTION

PRODUCT COVERED:

Component Insulated quick-connect connectors, Ultra-Pod Series Cat.Nos. 521011-1, 521113-1, 521212, 521213, **521863-1, 521863-2**, 521219, 521271, 521317.

GENERAL CHARACTER AND USE:

The products covered are insulated quick-connect connectors intended for factory assembly on stranded copper wire only using this manufacturer's automatic power tooling. They are intended for use in equipment where strain relief is provided.

<u>Cat. No.</u>	<u>Copper AWG Wire Size</u>	<u>Mates With Male Tabs - Size</u>
521011-1	No. 18-14 Str. #	.250 x .032
521113-1	No. 18 Str.	.250 x .032
521213, 521317	No. 18-14 Str. #	.250 x .032
521863-1, 521863-2	No. 18-14 Str. #	.250 x .032
521271, 521212	No. 18-14 Str. #	.187 x .020
521219	No. 22-18 Str.	.110 x .020

Note- # 10A max. with No. 14 AWG Cu. Stranded wire.

Wire Stranding -

No. 22 AWG - 7 strands
No. 20 AWG - 10 strands
No. 18 AWG - 16 strands
No. 16 AWG - 26 strands
No. 14 AWG - 41 strands

Rating - The above mentioned connector is rated 105°C, 600 V max building wire (1000 V max in signs or fixtures).

ENGINEERING CONSIDERATIONS (NOT FOR UL REPRESENTATIVE USE):

These devices are for use only in (or with) complete equipment where the acceptability of the combination is determined by Underwriters Laboratories Inc.

Conditions of Acceptability -

1. These devices are not to be used for current interruption.
2. These devices are for internal wiring only in electrical equipment.
3. The connectors are intended to be assembled to the wire using power tooling, AMP Inc., Type F.
4. Cat. No. 521011-1 was **investigated** for a 10 amp current rating assembled to No. 14 AWG wire.

CONSTRUCTION DETAILS:

The details of construction are illustrated in the following descriptive pages and accompanying illustrations.

Marking - Each connector is marked with the manufacturer's name or trademark. The smallest unit cartons or reels are marked with:

1. The manufacturer's name or trademark.
2. Catalog number, on connector or unit carton.
3. A statement **indicating**, "Copper wire only" or equivalent.
4. A statement regarding the installation instruction and proper tooling to use. The tool installation instruction may be packed inside the smallest unit connector containers or with the tools.
5. Wire size, "STRANDED" or "STR".