

DESCRIPTION

PRODUCT COVERED:

*USR, CNR Component Quick-Connect Connectors for Copper Alloy Tabs, Uninsulated, Cat. Nos. 0-1544503-1, 0-1544504-1, 0-1544503-2, 0-1544504-2, 0-1544141-1, 0-1544142-1.

*USR, CNR Quick-Connect Copper Alloy Tabs, Uninsulated, Cat. Nos. 0-1544520-1, 0-1544452-1, 0-1544453-1.

*USR, CNR Insulated Boot for Quick-Connect Connectors and Tabs, Cat. 0-1544480-2, 0-1544344-1.

GENERAL CHARACTER AND USE:

The products covered are quick-connect connectors and tabs intended for factory assembly on Nos. 8-10, 10-12, 14-18, 18-22 AWG stranded copper wire using this manufacturer's hand or power tooling. They are intended for use in equipment where strain relief is provided. The quick-connect connectors are for use on the following copper alloy production tabs, covered by this report, copper wire sizes, and tooling.

The insulated boots are rated 60°C, 300 V max building wire.

<u>Cat. Nos.</u>	<u>Wire Range AWG-Cu</u>	<u>No. of Strands</u>	<u>Mating Tab or Connector Size</u>	<u>Tooling</u>
0-1544141-1	No. 10-12	105/65	8.0 x 1.0 mm (0.315 x 0.04 in)	###
0-1544142-1	No. 8-10	80/105	8.0 x 1.0 mm (0.315 x 0.04 in)	###
0-1544503-1, 0-1544503-2	No. 18-22	16/7	6.3 x 0.8 mm (0.250 x 0.032 in)	###
0-1544504-1, 0-1544504-2	No. 14-12	41/16	6.3 x 0.8 mm (0.250 x 0.032 in)	###
* 0-1544452-1	No. 10-12	105/65	8.0 x 1.0 mm (0.315 x 0.04 in)	###
* 0-1544453-1	No. 8-10	80/105	8.0 x 1.0 mm (0.315 x 0.04 in)	###
* 0-1544520-1	##	N/A	6.3 x 0.8 mm (0.250 x 0.032 in)	N/A

N/A - Not applicable

- Screw or rivet mounted

- Power Tooling Proner AP68 (P/N 13.000), Hand Tool Proner 11290

Cat. No. Nomenclature Code:

Example: $\frac{8702}{A}$ $\frac{1}{B}$ $\frac{6}{C}$

A: Basic construction of Female Connector (8702 or 708).

B: Plating (1 represents unplated; 6 represents tin plated).

C: Additional breakdown.

Cat. No. Nomenclature Code:

Example: $\frac{702}{D}$ $\frac{3}{E}$ $\frac{5}{F}$

D: Basic construction of Male Tab (702 or 300).

E: Plating (0 or 3 represents unplated; 5 or 8 represents tin plated).

F: Additional breakdown.

Cat. No. Nomenclature Code:

Example: $\frac{84}{G}$ $\frac{2}{H}$ $\frac{12}{I}$

G: Basic construction of Insulating Boot (84 or 85).

H: Connector type (2 represents connector; 8 represents tab).

I: Additional breakdown.

Insulating Boots For Mating Connectors/Tabs:

Boot Cat. No.Used on Connector/Tab Cat. Nos.

0-1544480-2

0-1544141-1, 0-1544142-1

0-1544344-1

* 0-1544452-1, 0-1544453-1

Mating Connector/Tabs:

ConnectorMating TabCat. Nos.Cat. Nos.

0-1544141-1

* 0-1544452-1

0-1544142-1

* 0-1544453-1

0-1544503-1, 0-1544504-1,

* 0-1544520-1

0-1544503-2, 0-1544504-2

ENGINEERING CONSIDERATIONS (NOT FOR FIELD REPRESENTATIVE USE):

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

CNR indicates additional evaluation to Canadian Standard C22.2 No. 153, Quick-Connect Terminals.

Conditions of Acceptability -

1. These devices are not to be used for current interruption.
2. These devices are for use where strain relief is provided as part of the equipment.
3. These devices are for internal wiring only in electrical equipment.
4. The insulated boots have a max rating of 60°C and 300 V.
5. The connectors and tabs are intended to be assembled to the wire using power tooling, Proner AP68, P/N 13.000, or hand tooling Proner 11290.
6. The male tabs, Cat. No. 0-1544520-1, shall be prevented from turning when mounted in end product equipment.