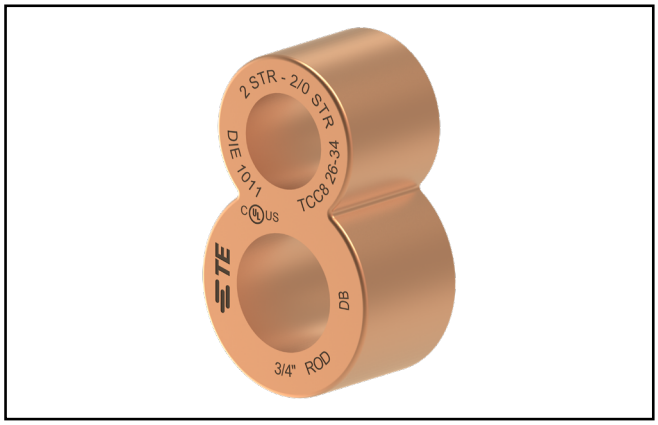
INSTRUCTIONS SHEET

EPP-3565-6/20

TCC8

Copper Compression 8-Shape Grounding Connector



TE Connectors & Fittings

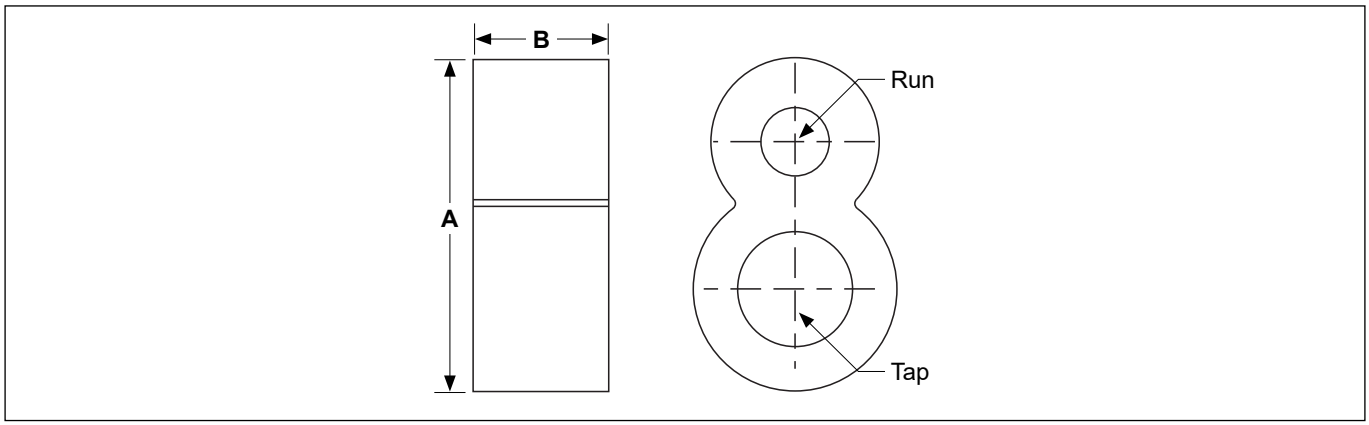


Table 1

Catalog No.	AWG Copper Cable Range	Metric Copper Cable Range	Ground Rod	Height (A)	Width (B)	Burndy[1] Crimping Die		
	Run (AWG)	Run (Sq.mm.)	Tap Inch (mm)	Inch (mm)	Inch (mm)	Die Part No.	Die Index	Number of Crimps
TCC8 26-12	#2 STR - 2/0 STR	35 - 70	1/2" (12.7)	1.94 (49.3)	0.88 (22.4)	PU998	998	1
TCC8 26-58	#2 STR - 2/0 STR	35 - 70	5/8" (15.9)	1.97 (50.0)	0.88 (22.4)	U1011	1011	2
TCC8 26-34	#2 STR - 2/0 STR	35 - 70	3/4" (19.0)	2.19 (55.6)	0.88 (22.4)	U1011	1011	2
TCC8 26-100	#2 STR - 2/0 STR	35 - 70	1" (25.4)	2.44 (62.1)	0.88 (22.4)	U1011	1011	2
TCC8 29-12	4/0 STR - 250 MCM	120	1/2" (12.7)	1.94 (49.3)	0.88 (22.4)	U1011	1011	2
TCC8 29-58	4/0 STR - 250 MCM	120	5/8" (15.9)	2.14 (54.4)	0.88 (22.4)	U1011	1011	2
TCC8 29-34	4/0 STR - 250 MCM	120	3/4" (19.0)	2.19 (55.6)	0.88 (22.4)	U1011	1011	2
TCC8 29-100	4/0 STR - 250 MCM	120	1" (25.4)	2.44 (62.1)	0.88 (22.4)	U1011	1011	2
TCC8 34-58	300 MCM - 500 MCM	150 - 240	5/8" (15.9)	2.14 (54.4)	0.88 (22.4)	U1011	1011	2
TCC8 34-34	300 MCM - 500 MCM	150 - 240	3/4" (19.0)	2.44 (62.1)	0.88 (22.4)	U1011	1011	2
TCC8 34-100	300 MCM - 500 MCM	150 - 240	1" (25.4)	2.69 (68.3)	0.88 (22.4)	U1011	1011	2

1: BURNDY is trademark of their respective owners

1. Introduction

Purpose of this instruction sheet is to provide installation procedures for copper compression 8-Shape grounding connectors. The 8-Shape grounding connector will accommodate copper conductors only and are compatible with the conductor wire sizes shown in **Table 1**.

NOTE:

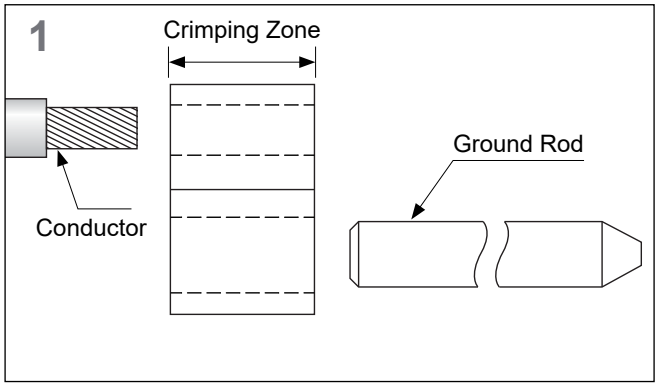
- * marked products when crimped with the approved die sets as listed in **Table 1**, the connectors comply with the requirement of Underwriters Laboratories Inc. (UL) 467 International C.22.2 No. 41-13 and Listed by UL in File No. E69905.
- This Product line is tooling compatible with compact stranding, conventional concentric and compressed stranding of commercially available copper stranded wires.
- Dimensions in this document are in both mm and inches. Figures are not drawn to scale.

2. Installation Procedure

Identify the conductor size. Choose the 8-Shape grounding connector according to the application and the conductor size.

2.1 Conductor Preparation

1. Strip cable to the recommended length given in **Table 1**. Avoid nicking or cutting the conductor. Ensure the conductor end has a straight (right-angle) cut before installing. See **Figure 1**.
2. Wire brush the conductor ends. Use a brush dedicated for copper conductor only.



2.2 8-Shape Grounding Connector Installation (See Figure 1)

1. Insert the conductor into the 8-Shape as per Run & Tap Size.
2. Choose a crimping die according to the conductor wire size. Die should match the description marked on the 8-Shape Grounding Connector.
3. Install the die into the tool head.
4. Ensure the conductor is properly aligned in 8-Shape before crimping.
5. Start crimping from one end to other end. Make sure the die closes completely before going to the next crimp.

NOTE:

- All crimps are to be located within the crimping zone. See **Figure 1**.
- Do NOT overlap crimps. Rotate die 15 to 30 degrees when proceeding to the next crimp.

CAUTION

- Damaged or worn 8-Shapes must not be used. 8-Shapes may be removed from the wire, discarded, and replaced with new ones. Always use newly cut cable with these 8-Shapes. It is not a regular procedure to reuse portions of already crimped cable.

For more information: te.com/energy

Please dispose of all waste according to environmental regulations.

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