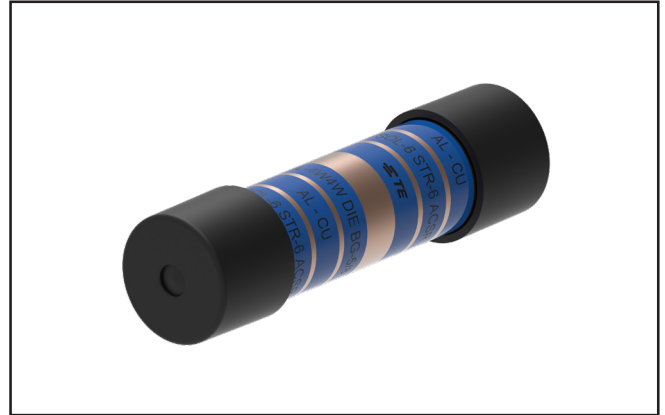


INSTRUCTIONS SHEET

EPP-3561-4/25

TIL

Service Entrance Connectors



TE Connectors & Fittings

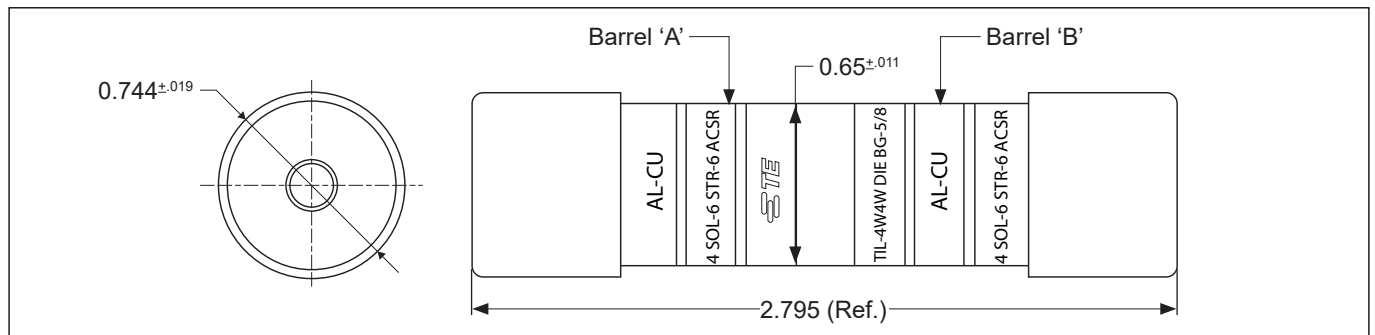


Table 1

Conductor Wire Size	Barrel 'A'			Strip Length			Brundy* Die		T & B* Die	
	ACSR (AWG)	Aluminum (AWG)	Color Code	ACSR (AWG)	Aluminum (AWG)	Color Code	Die Index No.	No. of Crimp per side	Die Index No.	No. of Crimp per side
8W8W	-	10 str-8 Sol	Brown	-	10 str-8 Sol	Brown	U-BG or 5/8	1	U-BG or 5/8	1
6W8W	-	8 str-6 Sol	Green	-	10 str-8 Sol	Brown				
6W6W	-	8 str-6 Sol	Green	-	8 str-6 Sol	Green				
4W8W	6	6 str-4 Sol	Blue	-	10 str-8 Sol	Brown				
4W6W	6	6 str-4 Sol	Blue	-	8 str-6 Sol	Green				
4W4W	6	6 str-4 Sol	Blue	6	6 str-4 Sol	Blue				
2W8W	4	4 str-2 Sol	Orange	-	10 str-8 Sol	Brown				
2W6W	4	4 str-2 Sol	Orange	-	8 str-6 Sol	Green				
2W4W	4	4 str-2 Sol	Orange	6	6 str-4 Sol	Blue				
2W2W	4	4 str-2 Sol	Orange	4	4 str-2 Sol	Orange				
2R8W	2	1 str-2 str	Red	-	10 str-8 Sol	Brown				
2R6W	2	1 str-2 str	Red	-	8 str-6 Sol	Green				
2R4W	2	1 str-2 str	Red	6	6 str-4 Sol	Blue				
2R2W	2	1 str-2 str	Red	4	4 str-2 Sol	Orange				
2R2R	2	1 str-2 str	Red	2	1 str-2 str	Red				
25R6W	1/0	1/0 str	Yellow	-	8 str-6 Sol	Green				
25R4W	1/0	1/0 str	Yellow	6	6 str-4 Sol	Blue				
25R2W	1/0	1/0 str	Yellow	4	4 str-2 Sol	Orange				
25R2R	1/0	1/0 str	Yellow	2	1 str-2 str	Red				
25R25R	1/0	1/0 str	Yellow	1/0	1/0 str	Yellow				

* BURNDY and T & B are trademarks of their respective owners.

1. Introduction

Purpose of this sheet is to provide installation procedures for Aluminum Service Entrance Connectors. (Base part series TIL). Connectors will accommodate Aluminum/Copper conductors only and are compatible with the conductor wire sizes shown in **Table 1**.

i NOTE:

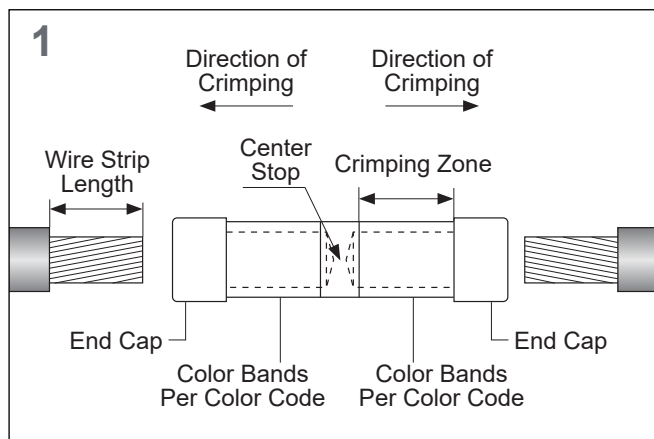
- When crimped with the approved die sets as listed in **Table 1**, the connectors comply with the requirement of ANSI C119.4 for AL-AL & AL-Cu Conductors.
- This Product line is tooling compatible with compact stranding, conventional concentric and compressed stranding of commercially available copper stranded wires.
- Dimensions in these instructions are in inches. Figures are not drawn to scale.

2. Installation Procedure

Identify the conductor size. Choose the the Connector according to the application and the conductor size.

2.1 Cable Preparation

1. Strip the cable to the recommended length given in the **Table 1**, avoid nicking or cutting the conductor. Ensure that 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 Splice Installation (See Figure 1)

1. Insert conductor into connector through center of end cap at marked divot. Push until it butts up against center stop and conductor insulation enters end cap.
2. Choose a crimping die according to the conductor wire size. Die should match the description marked on the splice.
3. Install the die into the tool head.
4. Make sure that the conductor is pushed all the way to the center stop of the Connector before crimping.
5. Start crimping from the center stop and work towards the open end. Make sure the die closes completely before going to the next crimp. Refer to the **Table 1** for number of crimps.

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

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Please dispose of all waste according to environmental regulations.



The Information contained in these installation instructions is for use only by installers trained to make electrical power installations and is intended to describe the correct method of installation for this product. However, TE Connectivity has no control over the field conditions which influence product installation.

It is the user's responsibility to determine the suitability of the installation method in the user's field conditions.

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