tii network technologies

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TII AIC SERIES
Aerial In-Line Closure
11/09 Rev A

INSTALLATION NOTE

General

The Series AIC Aerial In-Line Closure with external bonding hanger brackets are designed for new build or maintenance applications. The floating bond system allows flexibility for movement of the enclosure while ensuring bond continuity. The one piece free breathing construction provides an excellent housing for cable splices in the harshest environments.

The end seals provide a quick and easy method of installing cables. There are currently 6 sizes in the range managing cable pair counts from 50 through 600 pairs.

Sizes – the AIC is available in 6 sizes.

Model	Size	Capacity
TII AIC-050-10	**2-3/8" x 10"**	**10-50 Pairs**
TII AIC-100-14	**3" x 14"**	**50-100 Pairs**
TII AIC-200-19	**3-1/4" x 19"**	**100-200 Pairs**
TII AIC-200-27	**3-1/4" x 27"**	**100-200 Pairs**
TII AIC-400-27	**4-5/8" x 27"**	**200-400 Pairs**
TII AIC-600-29	**5-3/4" x 29"**	**400-600 Pairs**

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<u>**Warranty**</u>

See TII Warranty. If this unit fails during the warranty period, the factory should be requested to authorize return. Return the unit prepaid. Units that fail due to normal wear or abuse should be discarded.
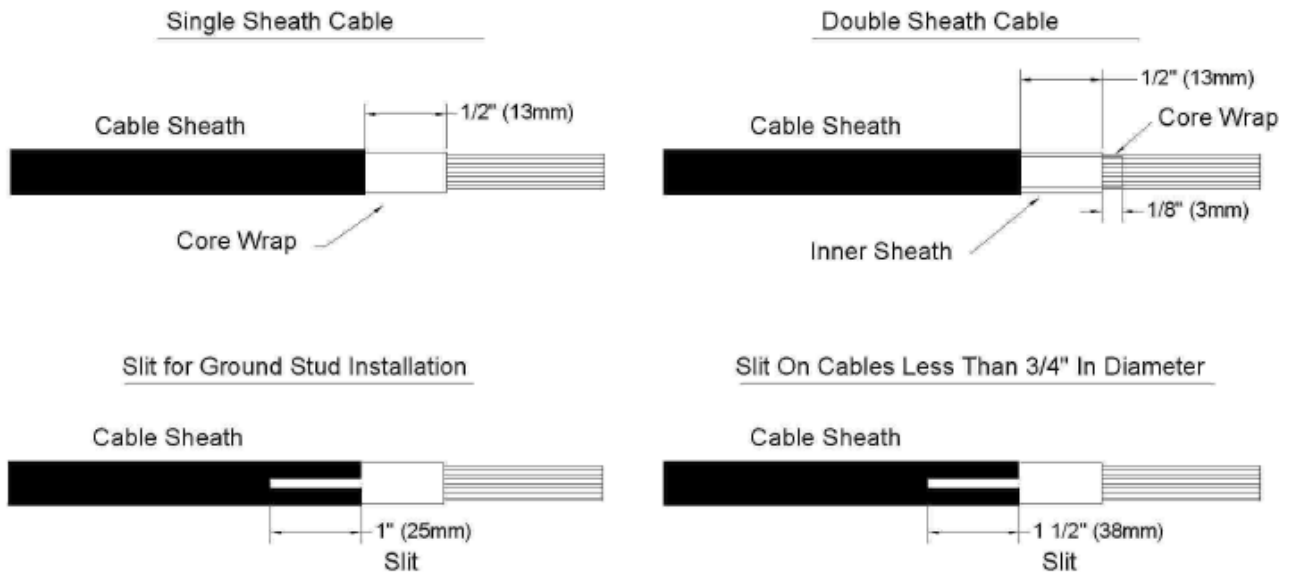
<u>**Cable Preparation**</u>

Prepare cable and strand as shown in Figures 1 & 2.

Figure 1

Note: Suggested method in preparing the outer sheath on both single and double sheath cables.
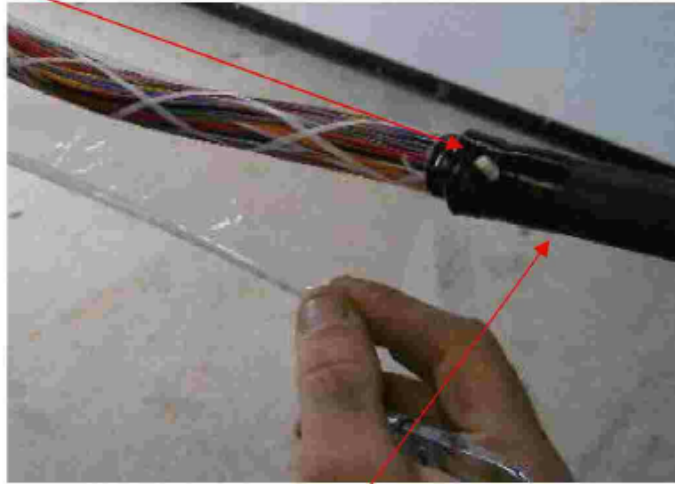

Figure 2

Closure Installation, Bonding and Splicing

Bond the cable shield with approved shield bond connectors.
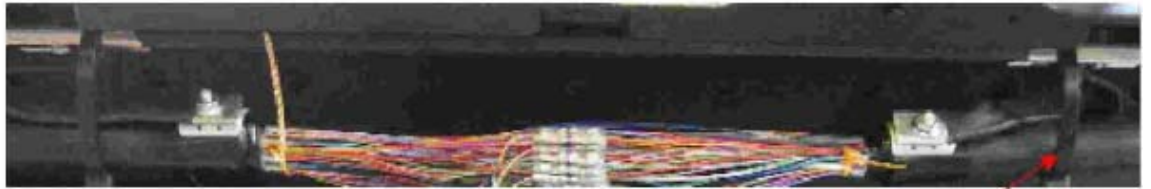
Per approved practice

Apply 4 – 5 wraps of vinyl tape around bond clamps then Remove the pair protector

Select binder group to be spliced, and mark using standard practice.

Mount terminal to strand. Terminate shield bond connectors to terminal closure ground bond straps.
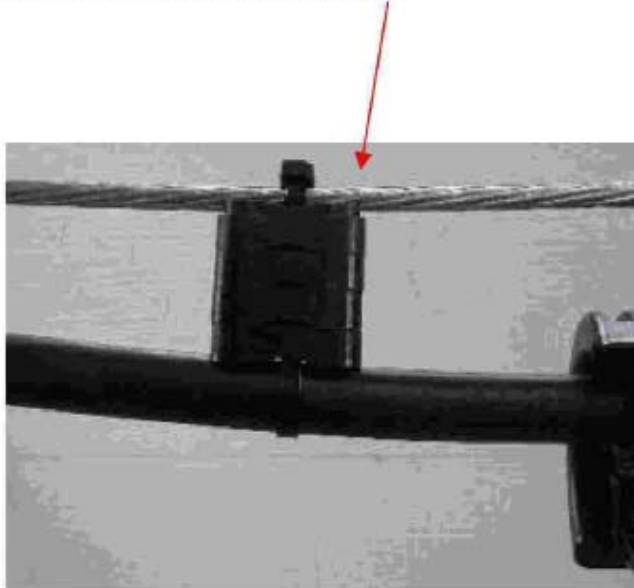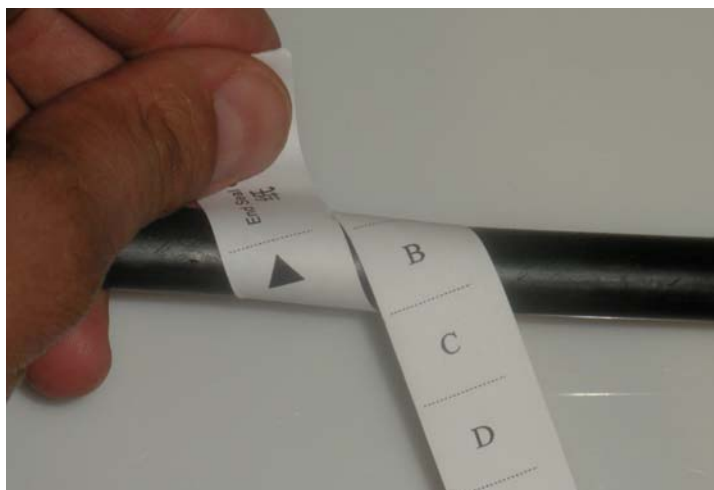
Splice as per standard practice.

Cable should be tie wrapped to the ground bar at each end for strain relief.

Install cable spacers as per standard practice.
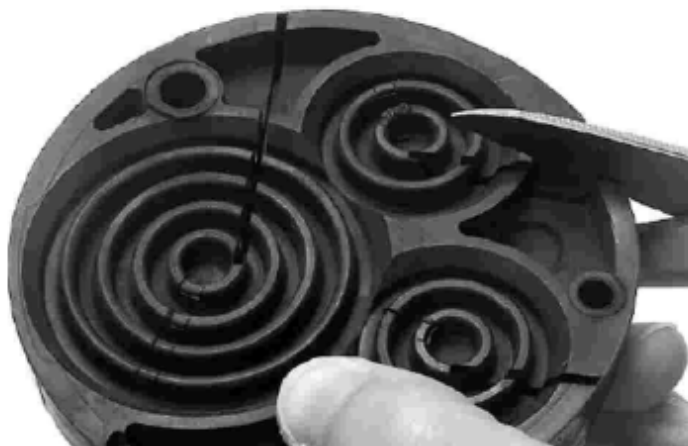

Cable Entry Grommet Installation

Using the guide included, measure the cable diameter. Cut the cable entry grommet from the outside edge to the appropriate ring diameter that matches the Aerial Cable Diameter.

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Select port to be used, puncture and cut through range letter on the front side of each seal.

Cut end seal from outside edge to install on existing cable.

Cut end caps to fit cable, install in each end of terminal, and ensure a snug fit around cable. A wrap of vinyl tape may be placed around each unit.

Install Cable Entry Grommets on the end of each cable position in body enclosure.

Close cover and secure latches.