

For AirCell® Plenum, Plenum Radiating, and In-Conduit 1/2" 50 and 75 Ohm Cables

For use with **Manual Plenum Strip Tool PST012**

AirCell® connectors are designed specifically for use with Trilogys AirCell® 50 and 75 Ohm 1/2" cables. This instruction only applies when the Manual Plenum Strip (PST012) is used.

Instructions should be read thoroughly prior to connector installation.

Manual Plenum Strip Tool* (Figure 1)
(PST012)

Additional Tools Required (Figure 2)

Inner Conductor Strip Tool (ICST) Razor Knife
Abrasive Pad Adjustable Wrenches
Cable Cutter (TC63050)

Prepare Cable for Connectorization

- 1) **Locate the 1st disc by inserting smaller ruler or wire. Cut** cable with the cable cutter behind disc. **Mark 2nd corrugation valley** behind disc by using the same method to locate the disc. Ensure that cable is straight for at least 6" from the end.
- 2) **Attach Manual Plenum Strip Tool** (Figure 3). Ensure arrow on tool points to cable end. **Pinch** tool in place and **spin** until outer conductor is cut through. **Pinch** blade end together and spin once more.
- 3) **Remove** jacket and outer conductor (Figure 4). **Remove** disk remnants from center conductor using Razor Knife or Inner Conductor Strip Tool (Figure 5). Remove adhesive from center conductor using abrasive pad while holding the cable end down. Do not allow debris to get inside the cable.
- 4) **Cut** center conductor to .75" using gauge on the Manual Plenum Strip Tool (Figure 6). **Deburr** center conductor with Inner Conductor Strip Tool. Ensure that the inside of cable is free of debris.

Connectorization

- 5) **Slide** back-nut of connector onto prepared cable end. Back-nut should snap into place. Center conductor will protrude .38" (Figure 7). **Slide** front-nut onto center conductor. **Hand-tighten** connector by turning the back-nut (Figure 8).

Tighten the Connector

- 6) **Tighten the connector** with wrenches by **holding** front-nut while **turning** back-nut until back-nut reaches a positive stop (Figure 9).

* Ensure that Manual Plenum Strip Tool is free of debris prior to each use.

Caution: For best electrical performance, do not damage the center or outer conductors.

Notice: Trilogys disclaims any liability or responsibility for the results of improper or unsafe installation, inspection, maintenance, or removal practices.



Figure 1



Figure 2



Figure 3

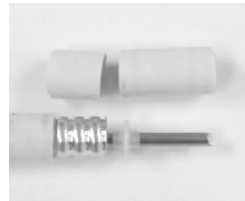


Figure 4



Figure 5

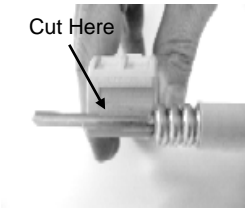


Figure 6

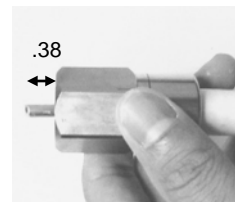


Figure 7



Figure 8



Figure 9