

## For AirCell® Plenum, Plenum Radiating, and Ultra-Flex 1/2" 50 and 75 Ohm Cables

2A

For use with cable prep tools PST012 and ICST (Manual Tools)  
(for other cable prep tools use instructions 2 and 2B)

### General Description

AirCell® connectors are designed specifically for use with Trilogy's AirCell® 50 and 75 Ohm 1/2" cables. This instruction only applies when the Manual Strip Tools (PST012 & ICST) are used. **Instructions should be read thoroughly prior to connector installation.**

### Installation Tools

Plenum Strip Tool (PST012)	Cable Cutter (TC63050)
Inner Conductor Strip Tool (ICST)	Small Ruler or Wire
Needle Nose Pliers	Adjustable Wrenches



### Prepare Cable for Connectorization

- 1) **Locate the 1<sup>st</sup> disc by inserting smaller ruler or wire.** Cut cable behind disc. **Mark 2<sup>nd</sup> 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.  
(Tools required: Small Ruler or Wire and Cable Cutter)
- 2) **Attach Plenum Strip Tool** (Figure 1). 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.  
(Tool required: Plenum Strip Tool)
- 3) **Remove** jacket and outer conductor (Figure 2). **Remove** disk remnants from center conductor with Inner Conductor Strip Tool (Figure 3). Remove adhesive from center conductor using 3M pad.  
(Tool required: Inner Conductor Strip Tool)
- 4) **Cut** center conductor to .75" using gauge on Plenum Strip Tool (Figure 4). **Deburr** center conductor with Inner Conductor Strip Tool.  
(Tools required: Needle Nose Pliers, Plenum Strip Tool, and Inner Conductor Strip Tool)



Figure 1



Figure 2



Figure 3



Figure 4

### Connectorization

- 5) **Slide** back-nut of connector onto prepared cable end. Back-nut should snap into place. Center conductor will protrude .38" (Figure 5). **Slide** front-nut onto center conductor. **Hand-tighten** connector by turning the back-nut (Figure 6).

### Tighten the Connector

- 6) **Tighten the connector** with wrenches by **holding** front-nut while **turning** back-nut until back-nut reaches a positive stop.  
(Tools required: Adjustable Wrenches)

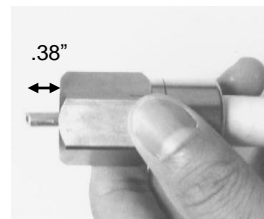


Figure 5



Figure 6

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

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