

**For AirCell® Plenum, Plenum Radiating, & Ultra-Flex 1/2" 50 & 75 Ohm Cables, with Manual Strip Tools (PST012 & ICST)** Cable Product Code AP012J50, APC012J50, AP012J75, AQ012J50, AQC012J50, AU012J50,

2A

#### 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. *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). *Insure 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). **Clean center conductor** with Inner Conductor Strip Tool (Figure 3). (Tool required: Inner Conductor Strip Tool)
- 4) **Cut center conductor to 0.8"** (Figure 4). **Deburr center conductor** with Inner Conductor Strip Tool. (Tools required: Needle Nose Pliers, Plenum Strip Tool Gauge and Inner Conductor Strip Tool)



Figure 1

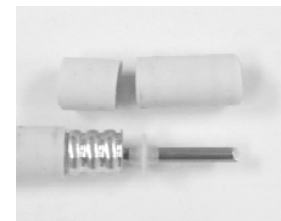


Figure 2



Figure 3

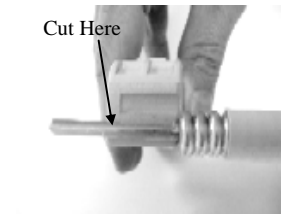


Figure 4

#### Connectorization

- 5) **Slide** back-nut of connector into place onto prepared cable end (Figure 5). **Slide** front-nut onto center conductor and **hand-tighten** pieces together (Figure 6).

#### Tighten the Connector

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

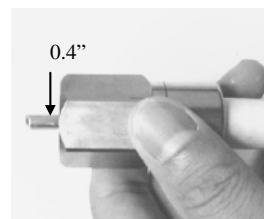


Figure 5



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.