

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

2

For use with **Power Plenum Strip Tools** PCT012 / PCT012-2

AirCell® connectors are designed specifically for use with Trilogys AirCell® 50 and 75 Ohm 1/2" cables. This instruction only applies when the Power Plenum Strip Tool (PCT012 / PCT012-2) is used.

Instructions should be read thoroughly prior to connector installation.

Power Plenum Strip Tool* (Figure 1)
(PCT012 / PCT012-2)

Additional Tools Required (Figure 2)

Cordless Drill	Razor Knife
Abrasive Pad	Adjustable Wrenches
Inner Conductor Strip Tool (ICST)	Duckbill Cable Cutter

Prepare Cable for Connectorization

- 1) **Squarely cut the cable using a cable cutter.** Ensure that the cable is straight for at least six inches behind the point where connector will attach. Ensure that the center conductor is centered (Figure 3).
 - a) **Remove** jacket strip blade from Power Prep Tool when working with Conduit Cable AP012U50.
- 2) **Insert cable end into Power Plenum Strip Tool and turn Power Plenum Strip Tool clockwise*** to remove material (Figure 4). Operate the Power Plenum Strip Tool in the 300-700 rpm range at steady speed. When Power Plenum Strip Tool no longer cuts away material and spins freely, **remove** Power Plenum Strip Tool while continuing to turn.
- 3) **Remove disk remnants** from center conductor using razor knife or Inner Conductor Strip Tool. Remove adhesive from center conductor using an abrasive pad. Remove any remaining debris from inside of cable (Figure 5).

Connectorization

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

Tighten the Connector

- 5) **Tighten the connector** with wrenches by **holding** front-nut while **turning** back-nut until back-nut reaches a positive stop (Figure 7).

Seal the Connector

- 6) **Seal** connector with appropriate weatherproofing. Ensure that seal begins with connector and extends at least 2" past the beginning of cable jacket (Figure 8).

* Ensure that Power 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: Trilogy 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

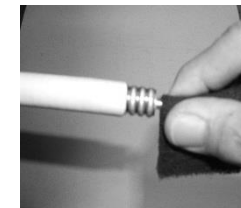


Figure 5



Figure 6



Figure 7



Figure 8