

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

2

For use with cable prep tool PCT012 (Power Coring Tool)
(for other cable prep tools use instructions 2A 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 Power Coring Tool (PCT012) is used. **Instructions should be read thoroughly prior to connector installation.**

Installation Tools

Power Coring Tool (PCT012)	Cable Cutter (TC63050)
Razor Knife (TC10099)	Inner Conductor Strip Tool (ICST)
3M Scotchbrite™ Pad	Adjustable Wrenches

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 1).
(Tool required: Cable Cutter)
- 2) **Insert cable end into prep tool and turn tool clockwise** to remove material (Figure 2). With the Power Coring Tool, use slow, steady speed. When tool no longer cuts away material and spins freely, **remove** tool while continuing to turn.
(Tool required: Power Coring Tool)
- 3) **Remove disk remnants** from center conductor using razor knife or Inner Conductor Strip Tool. Remove adhesive from center conductor using a 3M pad (Figure 3).
(Tools required: Inner Conductor Strip Tool or Razor Knife and 3M Scotchbrite™ Pad)



Figure 1



Figure 2

Figure 3

Connectorization

- 4) **Slide** back-nut of connector onto prepared cable end. Back-nut should snap into place. Center conductor will protrude .38" (Figure 4). **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 5).
(Tool required: Adjustable Wrenches)



Figure 4

Figure 5

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.