

For AirCell® Transline and Radiating Cables – 1/2", 5/8" & 7/8" - 50 & 75 Ohm

3A

General Description

AirCell® connectors are designed specifically for use with Trilogy's AirCell® 50 and 75 Ohm Transline and Radiating cables. **Instructions should be read thoroughly prior to connector installation.**

Installation Tools

Hacksaw	Razor Knife
File	Adjustable Wrenches
3M Scotchbrite™ Pad	Drill (optional)
All-In-One Cable Prep Tool (CT01250AIO, CT05850AIO, CT07850AIO)	



Prepare Cable for Connectorization

- 1) **Cut** cable squarely using a hacksaw. Ensure that cable is straight for at least 10" from the end.
(Tool required: Hacksaw)

Note: When using the AIO tool w/Cabelcon connectors, on radiating cable, the Jacket strip blade must be removed, also remove .5" of jacket using razor knife (Figure 3).

Remove 2.25" of jacket & tape (for riser rated cable – gray jacket) using knife-box cutter

- 2) **Loosen** screw and remove T-handle assembly from prep tool when using a drill (Figure 1). **Insert** cable end into prep tool and turn tool clockwise (Figure 2). Ensure that center conductor passes into hollow center of coring bit. When tool no longer cuts away any material and spins freely, **remove** tool while continuing to turn.
(Tool required: All-In-One Cable Prep Tool)
- 3) **Remove** disc remnants from center conductor using utility knife. **Deburr** center conductor with file. **Clean** center conductor with 3M Scotchbrite™ pad. (Tools required: Utility Knife, File, and 3M Scotchbrite™ Pad)

Connectorization

- 4) **Slide** back-nut onto cable end. The plastic insert should be firmly secured inside cable and back-nut will slide back and forth. *Center conductor should protrude slightly when back-nut is fully forward* (Figure 4). **Slide** front-nut onto center conductor and **hand-tighten** pieces together (Figure 5).

Tighten the Connector

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



Figure 1

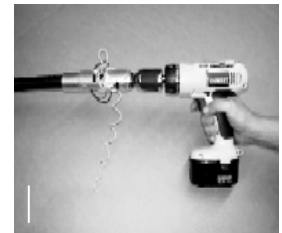


Figure 2

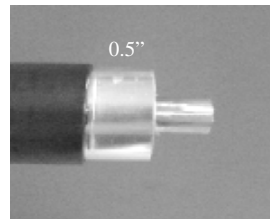


Figure 3



Figure 4



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.