

Connector Installation Instructions

For AirCell® Transline and Radiating Cables – 1/2” 50 Ohm

3F

For use with Power Prep Tool CT01250AIO-2

AirCell® connectors are designed specifically for use with Trilogy's AirCell® 50 Ohm Transline and Radiating cables.

Instructions should be read thoroughly prior to connector installation.

Power Prep Tool (Figure 1)

CT01250AIO-2 - **Remove jacket strip blade** from Prep Tool.

Additional Tools Required (Figure 2)

Power Drill

3M Scotchbrite™ Pad

Heat Shrink (or Weatherproofing Kit)

File

Razor Knife

Adjustable Wrenches

Small Ruler or Wire

Hacksaw

Prepare Cable for Connectorization

- 1) **Locate the 1st disc by inserting small ruler or wire.** Mark location on jacket surface. **Cut** right behind the disc using hacksaw (Figure 3). Ensure that cable is straight for at least 10" from the end.
(Tools required: Small Ruler or Wire and Hacksaw)
- 2) Remove 2-1/2" of jacket (and barrier tape if present) using razor knife (Figure 4).
(Tool required: Razor Knife)
- 3) **Insert cable end into Power Prep Tool and turn Power Prep Tool clockwise** to remove material (Figure 5). When Power Prep Tool no longer cuts away material and spins freely, **remove** Power Prep Tool while continuing to turn. **Deburr** any rough area on the outer conductor using the 3M Scotchbrite™ Pad
(Tools required: Power Prep Tool, and 3M Scotchbrite™ Pad)
- 4) **Remove disc remnants** from center conductor using razor knife. **Deburr center conductor** using file. **Remove adhesive** with 3M Scotchbrite™ pad. Remove any remaining debris from cable end.
(Tools required: Razor Knife, File, and 3M Scotchbrite™ Pad)

Connectorization

- 5) **Slide** back-nut of connector and compression sleeve onto prepared cable end (Figure 6 and Figure 7).
- 6) **Slide** front-nut onto center conductor and **hand-tighten** connector by **turning** the back-nut (Figure 8).

Tighten the Connector

- 7) **Tighten the connector** with wrenches by **holding** front-nut while **turning** back-nut until back-nut reaches a positive stop (Figure 8).
(Tools required: Adjustable Wrenches)

Seal the Connector

- 8) **Seal** connector with appropriate weatherproofing. Ensure that seal begins with connector and extends at least 2" past the beginning of cable jacket (Figure 9).

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.

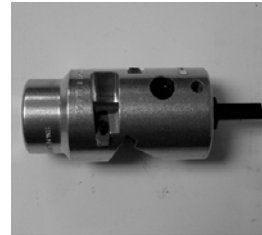


Figure 1



Figure 2

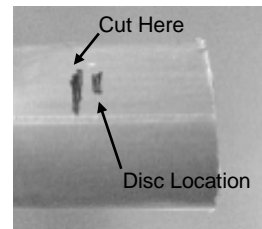


Figure 3

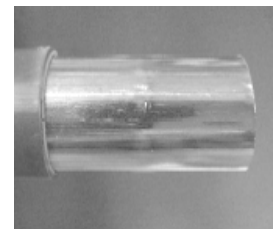


Figure 4

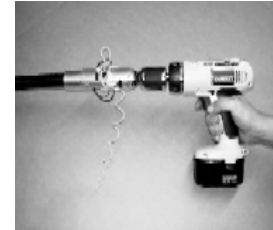


Figure 5



Figure 6



Figure 7



Figure 8



Figure 9