

For AirCell® Plenum 1/2" 75 Ohm Cables

2B

For use with cable prep tools TC1000 & TC10099 (Manual Tools) and F & PIN Connectors (FMP/PMP01275)
(for other cable prep tools use instructions 2 and 2A)

General Description

AirCell® connectors are designed specifically for use with Trilogy's AirCell® 75 Ohm 1/2" cables. This instruction only applies when the Tube Cutter (TC1000) and Razor Knife (TC10099) are used. **Instructions should be read thoroughly prior to connector installation.**

Installation Tools

Tube Cutter (TC1000)	Razor Knife (TC10099)
Needle Nose Pliers	3M Scotchbrite™ Pad
Small Ruler or Wire	File
Adjustable Wrenches	



Prepare Cable for Connectorization

- 1) **Cut** to the center conductor and **remove** .75" of material (Figure 1). Ensure that cable is straight for at least 6" from the end.
(Tool required: Tube Cutter)
- 2) **Locate the 1st disc by inserting smaller ruler or wire** (Figure 2). **Cut** in the 2nd corrugation valley behind disc and **remove** jacket and outer conductor.
(Tools required: Small Ruler or Wire and Tube Cutter)
- 3) **Trim** center conductor to .75" (Figure 3). **Deburr** center conductor with file. **Remove** disc with razor knife and **remove** adhesive from center conductor with 3M Scotchbrite™ pad.
(Tools required: Needle nose pliers, File, Razor Knife, and 3M Scotchbrite™ Pad)
- 4) **Remove** .63" of jacket from the outer conductor (Figure 3).
(Tools required: Razor knife)

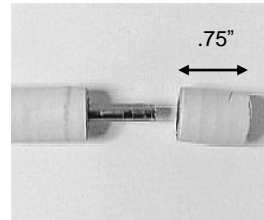


Figure 1



Figure 2

Connectorization

- 5) **Slide** back-nut of connector onto cable end. Center conductor should protrude .38" (Figure 4). **Slide** front-nut onto center conductor and **hand-tighten** connector by turning the back-nut (Figure 5).

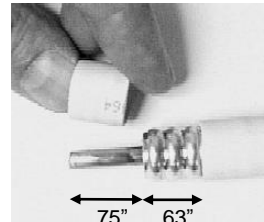


Figure 3

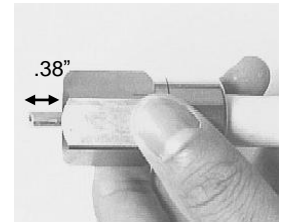


Figure 4

Tighten the Connector

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



Figure 5

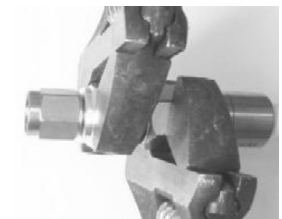


Figure 6

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.