

For AirCell® Plenum 1/2" 75 Ohm Cables, with Tube Cutter & Razor Knife

2B

Cable Product Code AP012J75, Connector Product Code NMP01275, NFP01275, PMP01275, FMP01275

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 and Razor Knife are used. **Instructions should be read thoroughly prior to connector installation.**

Installation Tools

Tube Cutter (TC1000)
Needle Nose Pliers
Small Ruler or Wire
Adjustable Wrenches

Razor Knife (TC10099)
3M Scotchbrite™ Pad
File



Prepare Cable for Connectorization

- 1) **Cut** to the center conductor and **remove** material (Figure 1). *Ensure that cable is straight for at least 6" from the end.* (Tool required: Tube Cutter)
- 2) **Insert** small ruler or wire to locate the disc distance (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 0.8" (Figure 3). **Deburr** center conductor with file. **Remove** disc with razor knife and **remove** adhesive with 3M Scotchbrite™ pad. (Tools required: Needle nose pliers, File, Razor Knife, and 3M Scotchbrite™ Pad)
- 4) **Remove** 0.6" of jacket off the outer conductor (Figure 3). (Tools required: Razor knife)

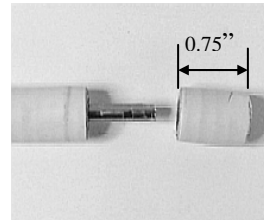


Figure 1



Figure 2

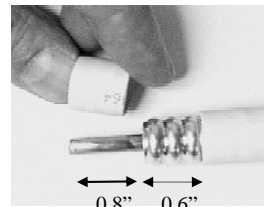


Figure 3

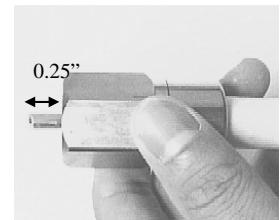


Figure 4

Connectorization

- 5) **Slide** back-nut of connector onto cable end, center conductor should protrude 0.25" (Figure 4). **Slide** front-nut onto center conductor and **hand-tighten** pieces together (Figure 5).

Tighten the Connector

- 6) **Tighten** the connection 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

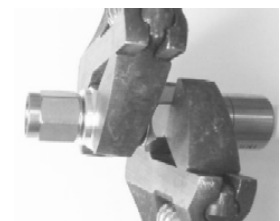


Figure 6

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.