

For AirCell® Transline and Radiating 1/2", 5/8" & 7/8" 75 Ohm Cables, with TC1000 & TC10099 Tools

3B

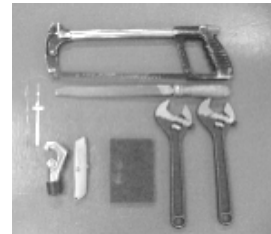
Connector Product Code NMA01275-PTI, NFA01275-PTI, NMA05875-PTI, NFA05875-PTI, NMA07875-PTI, NFA07875-PTI

General Description

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

Installation Tools

Tube Cutter (TC1000)	Razor Knife (TC10099)
File	Hacksaw
Adjustable Wrenches	Small Ruler or Wire
3M Scotchbrite™ Pad	Heat Shrink (or Weatherproofing Kit)



Prepare Cable for Connectorization

- 1) **Locate the 1st disc by inserting small ruler or wire.** Mark location on jacket surface. **Cut** right in front of disc using hacksaw (Figure 1). Ensure that cable is straight for at least 10" from the end. (Tools required: Small Ruler or Wire and Hacksaw)
- 2) Cut **0.75" (1/2", 5/8" & 7/8" cables)** of outer conductor and jacket, using tube cutter. Stop cutting when aluminum is cut through. Do not crush cable end. **Cut** through the dielectric tube using knife-box cutter. Remove material (Figure 2). (Tools required: Tube Cutter and Knife-Box Cutter)
- 3) **Remove 0.6" (1/2" cable) or 1" (5/8" & 7/8" cables) of jacket. Remove 2.25" of jacket & tape** (for riser rated cable) using knife-box cutter (Figure 3). (Tool required: Knife-Box Cutter)
- 4) **De-burr center conductor** using file. **Remove adhesive** with 3M Scotchbrite™ pad. (Tools required: File and 3M Scotchbrite™ Pad)

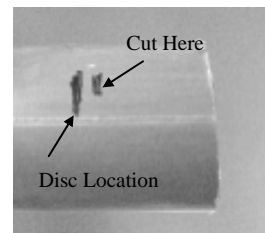


Figure 1

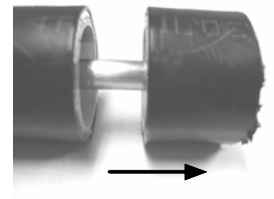


Figure 2

Connectorization

- 5) **Slide** back-nut of connector into place onto prepared cable end. Center conductor should protrude at least 0.375" (1/2" cable) or 0.25" (5/8" & 7/8" cables) (Figure 4). **Slide** front-nut onto center conductor and **hand-tighten** pieces together.

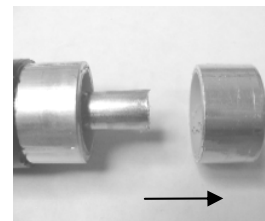


Figure 3

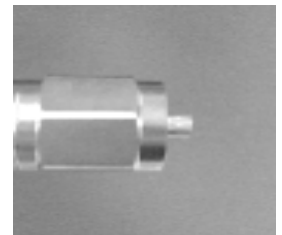


Figure 4

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 5). (Tools required: Adjustable Wrenches)

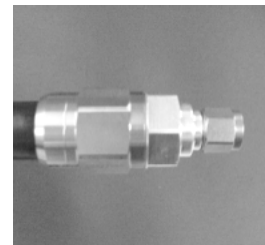


Figure 5



Figure 6

Seal the Connector (For Riser Rated Cables)

- 7) **Place heat shrink/ weatherproofing** over connector/cable interface and **seal**. Both cable and connector should be covered for 2" (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.