

Connector Installation Instructions

For Ultra Flexible 1/4" 50 Ohm Cables

2H

For use with Manual Strip Tool PST014

AirCell® connectors are designed specifically for use with Trilogy's Ultra Flexible 50 Ohm 1/4" cables. This instruction only applies when the Manual Strip (PST014) is used.

Instructions should be read thoroughly prior to connector installation.

Manual Strip Tool

(PST014)

Additional Tools Required

Ruler	1/2" Open End Wrench
9/16" Open End Wrench	Pliers
Cable Cutter	File
Marker	Razor Knife

Prepare Cable for Connectorization

1. Ensure the cable is straight for at least 6 inches from the cable end. Make a mark on the cable jacket 1-1/2 inches from cable end. Attach and align manual strip tool with the mark on the cable jacket at edge of tool as shown (Figure 1). Ensure the arrow on the tool points to the cable end (Figure 1). Pinch tool in place and spin the tool around the cable 10-15 rotations then remove tool.
2. Remove the end piece cut by the tool by twisting it off the cable (Figure 2). Remove the remaining dielectric using the pliers and twisting it off.
3. Locate the second cut made by the strip tool (Figure 2). Make a lengthwise cut from the cut mark to the cable end. Remove the cut piece by gripping with pliers.
4. Measure along the center conductor from the end of the cable dielectric and mark at 1/4 inch. Cut center conductor at the mark. The remaining center conductor length must be 1/4 inches (Figure 3). Deburr center conductor with file as needed.

Connectorization

5. Slide the included connector heat shrink over the cable beyond the cable end for installation later.
6. Screw the back-nut of the connector on the prepared cable end. Stop once the connector gripping area is even with the exposed outer conductor (Figure 4).
7. Push the front-nut of the connector onto the cable end while holding the back-nut and tighten the halves together turning the front-nut until hand tight (Figure 5).
8. Complete tightening using the 1/2 inch and 9/16 wrenches until the two halves are tightened to a mechanical stop.

Weatherproofing

9. Slide the heat shrink over the connector body and apply heat until the heat shrink has completely covered the connector body and cable end behind (Figure 6).

Notice: Trilogy disclaims any liability or responsibility for the results of improper or unsafe installation, inspection, maintenance, or removal practices.



Figure 1

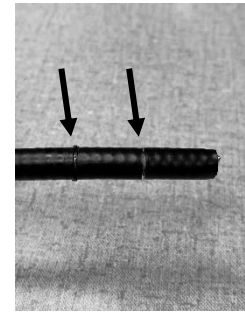


Figure 2



Figure 3



Figure 4

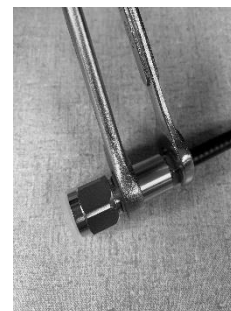


Figure 5

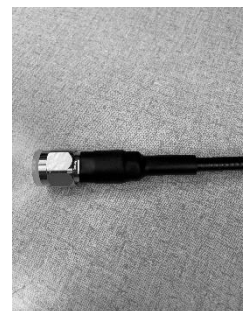


Figure 6