

ADTRAN Tracer 3202 Cable Kit Instructions

Background

Newer models of the Tracer 3202 outdoor unit will have 1.5 to 2 meters of twisted pair cable ("pigtail") preattached to the 3202 base. The twisted pair conductors are pre-stripped and ready for crimping and attachment to a receptacle connector. A receptacle connector kit is available that will mate to existing customer-end cable connectors used with the original 3202 model. The contents of this kit include:

- 1 CPC (circular plastic connector) receptacle
- 1 CPC strain relief
- 4 receptacle crimping pins (male gender)

The instructions described in this document refer to the 3202 pre-attached cable only. For instructions on attaching the plug connector to the customer cable, please consult the Tracer 2210/3202 System Manual (provided on the Tracer 2210/3202 Documentation CD).

Directions

Figure 1 shows a detailed view of the connector assembly required to attach the receptacle connector to the pre-attached 3202 cable. The plug connector assembly is shown for reference only.

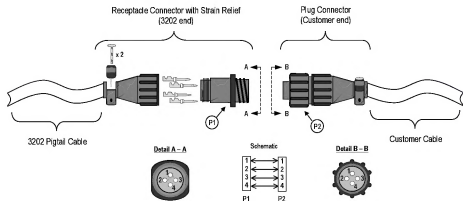


Figure 1 - Connector Assembly Diagram

The provided 3202 pigtail cable has heat shrink tubing on conductor pairs 1 and 2. Insert the 1,2 pair in the 1,2 slots in the receptacle, without regard to which conductor is wired to conductor 1 or conductor 2. Likewise, insert the 3,4 pair in the 3,4 slots in the receptacle, without regard to which conductor is wired to conductor 3 or conductor 4.

Care should be taken when crimping the crimp terminals onto the bare conductors. The centermost flanges should make contact with the bare conductor, while the outermost flanges should crimp onto the insulator. See Figure 2 below for details.

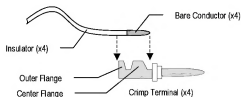


Figure 2 - Crimp Terminal Details (side view)

The strain relief hardware should be installed after crimping each pin to a crimp terminal and inserting each into the appropriate receptacle position. Twist the strain relief shell onto the receptacle prior to tightening the strain relief screws. The strain relief should apply pressure to the outer twisted pair sheath, which bundles the individual conductor insulators, and not to the individual insulators themselves.