

PIC Wire & Cable	Termination Instructions	T-110731-QX
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Termination Instructions for PIC RJ45 Plug Connector P/N 110731
(for PIC Ethernet Quad Cable P/N E51426)

Recommended Hand Tools :	X-acto Knife, Sharp Razor
Required Tooling	PIC 110729 RJ45 Crimp Tool , Heat Gun, Wire Cutters

- 1) Install ATUM 12/3 x 1.0" (larger dia.) dual wall shrink tube and ATUM 8/2 x 1.0" (smaller dia.) dual wall shrink tube onto cable.
- 2) Make Cut A @ .750" from end, through jacket. Do Not nick or cut into wire braids (Fig. 1). Remove jacket.
- 3) Install and shrink the ATUM 8/2 x 1.0" dual wall shrink tube onto cable, starting at the end of jacket (Fig. 2).
- 4) Fold braids back over cable jacket and ATUM (Fig. 3). Remove teflon tape layer, Do Not nick or cut into wire insulation. Trim filler (in middle of wires), cut as short as possible. Inspect to verify wire insulation integrity.
- 5) Arrange wires to the desired configuration per the dwg. Install the load bar onto wires, locating front edge of load bar @ .475" from the end of shields (Fig. 4). Confirm the wiring configuration, trim wires even with front edge of load bar (Fig. 4).
- 6) Bend the connector strain relief tab down, to allow installation onto cable. Install wires into the connector body, keeping alignment intact.
- 7) Fully insert the wires; proper insertion is indicated by viewing all conductors through the front end of connector body. Bend the connector strain relief tab back up to the original position, keeping braids within the strain relief tab.
- 8) Verify all wires are fully seated per 110731-QX (Fig. 7) before crimping the connector. Crimp using 110729 RJ45 crimp tool (Fig. 5), keeping wires fully seated. Trim off any excess braids.
- 9) Locate the ATUM 12/3 x 1.0" over the connector as shown (Fig. 6), and shrink onto the connector and cable, while taking care to shield the RJ45 latching tab from excessive heat. Verify full travel of the latching tab, trim back shrink tube if it impedes latching tab (Fig. 6).
- 10) Verify all wires are fully seated per 110731-Qx Inspection Criteria (Fig. 7). Use magnifier and contrasting color background for effective inspection.

Note : Connector Length added to cable = - .300" nominal

All Dimensions in Inches - NOT TO SCALE

