

PIC Wire & Cable

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Termination Instructions

T-110790-QX

Approved : *MCT*
 Distribution : USER

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 Rev 0
 Uncontrolled Document

Termination Instructions for PIC RJ45 Plug Connector P/N 110790

(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 labels (if applicable). Install ATUM 8/2 x 1.375" then 8/2 x 1.0" dual wall shrink tube onto cable. Make Cut A @ .750" from cable end, through the cable jacket (Fig. 1). Do Not nick or cut into braids. Remove jacket.
- 2) Install and shrink the ATUM 8/2 x 1.0" dual wall shrink tube onto cable, starting at the end of jacket (Fig. 2).
- 3) 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.
- 4) 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).
- 5) Bend the connector strain relief tab down, to allow installation onto cable. Install wires into the connector body, keeping alignment intact.
- 6) 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.
- 7) Verify all wires are fully seated per 110790-QX (Fig. 7) before crimping the connector. Crimp using 110729 RJ45 crimp tool, keeping wires fully seated. Trim off any excess braids (Fig. 5).
- 8) Slide the ATUM 8/2 x 1.375" shrink tube up to the back end of the RJ45 connector. Shrink the ATUM onto connector & cable (Fig. 6) while taking care to shield the RJ45 latching tab from excessive heat.
- 9) Verify all wires are fully seated per 110790-QX Inspection Criteria (Fig. 7). Use magnifier and contrasting color background for effective inspection.

All Dimensions in Inches - NOT TO SCALE

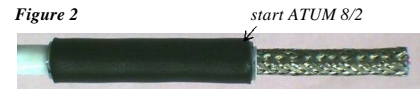
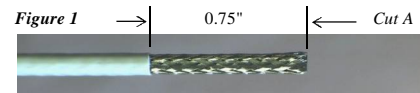
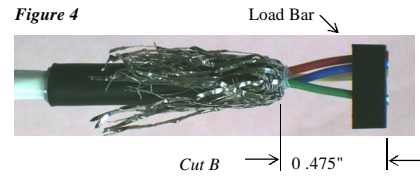
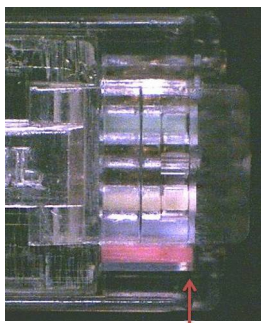


Figure 3 fold braids back over cable



110790-QX Inspection Criteria (Fig 7) (568A depicted)



all wires fully seated

