

PIC Wire & Cable

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Termination Instructions

T-11112

Approved :

PFT

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Termination Instructions for PIC P/N 11112, RJ45 Cat 8 Plug (568B configuration Only)

(for E74826 Ethernet Cables)

Required Tooling : X-acto Knife, Sharp Razor, Wire Cutters
PIC 110701 Soft Jaw Clamping Pliers
(Note : Similar Pliers are acceptable)
Heat Gun



- 1) Slide on backshell nut and cord grip provided with connector (**Fig. 1**).
- 2) Make Cut A @ 1.5" from cable end, through cable jacket (**Fig. 2**).
Make Cut B @ 0.5" from Cut A, through cable jacket (**Fig. 2**).
Make Cut C @ 0.25" from Cut B, through cable jacket (**Fig. 2**).
- 3) Install 8/2 ATUM x 0.5" and shrink over the 0.5" piece of cable jacket between cuts A and B (**Fig 3**).
- 4) Remove the 1.5" piece of cable jacket and fold the braids back. Trim the braids so that there is less than 0.125" of gap between the end of the braids and the end of the ATUM (**Fig. 4**). Slit the 0.25" section of jacket and remove it (**Fig. 4**).
- 5) Install 8/2 ATUM x 0.75" over the folded braids and exposed jacket, leaving 0.25" of braids exposed. Shrink the ATUM (**Fig. 5**).
- 6) Remove the foil from the twisted pairs. Untwist pairs and straighten them out. Insert wires into load block, matching the colors of the wires to the colors on the block (**Fig 6**). Using needle nose pliers, pull on each wire one at a time to ensure each wire is firmly in the load block.
- 7) Adjust the soft jaw clamping pliers height to crimp squarely on the wire carriers (**Fig. 7**). Keeping wire pairs firmly in the wire carrier (wire transition as short as possible), crimp the wire carriers onto the circuit board until seated flat on the circuit board (**Fig. 7**).
- 8) Trim off wire ends flush with the end of the wire carrier (**Fig. 8**).
Remove the black protective cover on the circuit board.
- 9) Install the circuit board / wire carriers / cable into the RJ45 connector body, until fully seated (**Fig. 9**). The wire carrier is keyed to align correctly with the connector body.
- 10) With the circuit board / wire carriers / cable fully seated into the RJ45 connector body, push the cable firmly into the connector until the shields aligns with the shield contacts. Close main housing and slide up cord grip making sure to align the sides with the groove in the housing (**Fig. 10**). Tighten the clamp nut fully onto housing. (**Fig. 11**).

Dimensions in Inches (NOT to Scale)

Figure 1



Figure 2

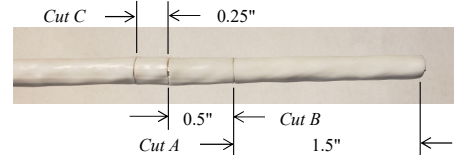


Figure 3



Figure 4



Figure 5



Figure 6

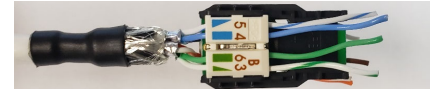


Figure 7



Figure 8



Must fully seat load contact.

Figure 9



Figure 10



Figure 11

