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Termination Instructions for PIC P/N 110939, RJ45 Shielded Jack For Star Quad Cables
 (for E50424, E51424 and E51426 Star-Quad Cables)

Required Tooling : X-acto Knife, Sharp Razor, Wire Cutters, Heat Gun,
 PIC P/N 110701 Soft Jaw Clamping Pliers (see pic to right).
 Note : Similar pliers acceptable



Dimensions in Inches (NOT to Scale)

Note: Diameter of the cable determines the number of pieces of ATUM 8/2 x 1.0" shrink tube to use. Please see chart below for required qty needed.

Cable Type	Qty. Needed
E50424	1
E51424	1
E51426	2

- 1) Install labels (if applicable). Install ATUM 12/3 x 1.0" (larger dia.) shrink tube, then applicable qty per chart above of ATUM 8/2 x 1.0" (smaller dia.) shrink tube. Discard any unused pieces. Make Cut A @ 1.25" from cable end, through cable jacket (Fig. 1). Remove jacket/braid/foil. Make Cut B @ 2.0" from cable end, scoring the cable jacket (Fig. 1). Do Not nick or cut into wire braids. Remove jacket.
- 2) Shrink all pcs (as applicable) of ATUM 8/2 x 1.0" tube(s) onto cable, starting at the end of cable jacket (cut B). Fold braids back over ATUM / Jacket as applicable, (Fig. 2).
- 3) Trim braids to 0.50" length per fig. 2. Trim foil / teflon tape to 0.2" length from braid per fig. 2. Be very careful not to nick or cut into wire insulation. Inspect to verify insulation on wires after removing foil / teflon tape to verify insulation integrity on all wires.
- 4) Install ATUM 12/3 x 1.0" shrink tube over the braids, and shrink onto braids and cable using a heat gun, starting @ .350" from exposed foil/wire pairs (Fig 3), to secure all wire braid ends.
- 5) Form wires into the desired configuration, per assembly dwg, in preparation for insertion into the connector (reference Fig. 7 for typical wiring configuration). Cut any filler material (as applicable) as close to braid as possible.

Figure 1

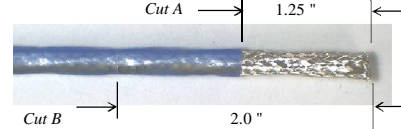


Figure 2

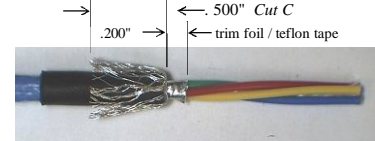


Figure 3

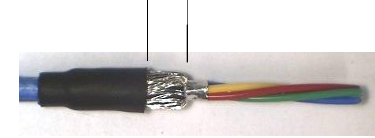


Figure 4a

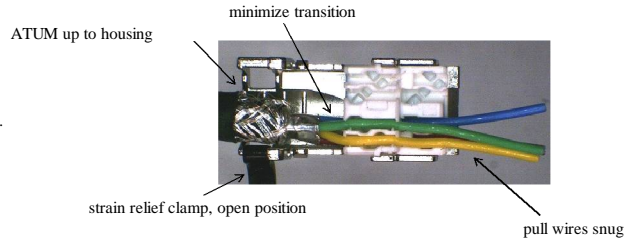


Figure 4b

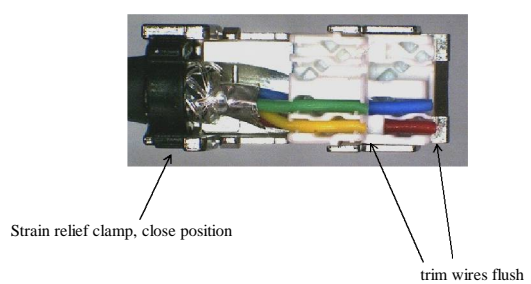


Figure 5

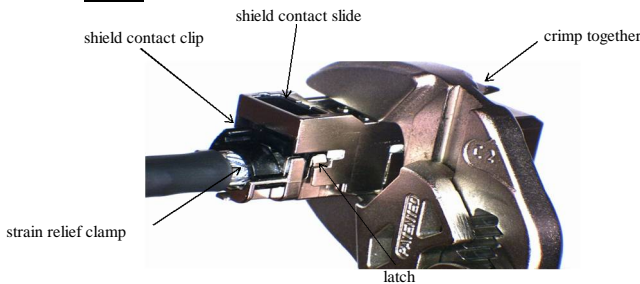


Figure 7 Wiring Configurations

Pin	ISDN	Pin	TTP Bus	Pin	568A
NA		1	Blue	1	Red
NA		NA		2	Blue
3	Yellow	3	Green	3	Yellow
4	Red	NA		NA	
5	Blue	NA		5	
6	Green	6	Yellow	6	Green
NA		NA		NA	
NA		8	Red	NA	

Figure 8 Carrier pin out

(Disregard color designation)

