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**Termination Instructions for PIC P/N 110845, RJ45 Blade Patch Connector**  
 (for PIC Ethernet Cable P/N E6A3826 & E6A6826)

<b>Recommended Hand Tools :</b>	X-acto Knife, Sharp Razor, Wire Cutters, Calipers (dial or digital), Needlenose Pliers, Tweezers
<b>Required Tooling :</b>	Simon Blade Patch RJ45 Crimp Tool (Pneumatic Press), Tyco (Amp) 220066-1 Crimp Tool, cavity A (Ø .255"), Silicone Grease

All Dimensions in inches - Not to Scale

- 1) Install connector boot and Versafit-1/4-0 x 1.0" shrink tube, as shown (Fig. 1). Score jacket @ .950" from end of cable (Fig. 1). Do Not nick or cut into braids. Remove jacket.
- 2) Partially flare, and fold braids back over jacket, pull back until snug (Fig. 2). Trim off foil (if applicable) and teflon tape interlayer @ .375" from end of braids (Fig. 2). Do Not nick or cut into wire insulation. Inspect wires to verify insulation integrity.
- 3) Fold pairs back, carefully trim off spline as short as possible to *Cut B* (Fig. 3a). Inspect wires to verify insulation integrity after trimming. Trim wire ends squarely (.050" nom) w/razor to facilitate pair untwisting, and entry into load bar (Fig. 3b).
- 4) Holding tape-wrapped section together, untwist pairs, straighten exposed wires, while maintaining twist under teflon tape layer. Arrange wires into the specified wiring configuration per dwg.
- 5) Install the load bar onto the wires, with the load bar bevel facing up (Fig. 4). Use the load bar to comb wires straight. Position the load bar with the outer end @ .870" from the end of braids. Verify correct wiring configuration. Trim wires even with the end of the load bar, @ .870" from the end of braids (Fig. 4).
- 6) Slightly compress the cable, over the end of braids, to allow insertion into the .180" height connector cable entry (Fig. 4). Assemble the connector shield onto the body until it snaps into place. Bend the strain relief tab up to allow cable entry access (Fig. 5). Install the connector body onto the cable, with the load bar bevel and the contacts facing up (Figs. 4 & 5). Make sure the wires/load bar are fully seated.
- 7) Bend strain relief tab back into place, as shown. Pull the braids taut to keep them straight, and within the strain relief tab (Fig. 6). Start the closure of the strain relief tab, using needlenose pliers. Verify all wire conductors are fully seated, and visible through the front end of the connector.
- 8) Install the connector into the Blade Patch connector press (contacts face up), push cable and connector firmly into the press, and crimp (Fig. 7). The press operates at 80 - 100 psig.
- 9) Trim off excess braids beyond the strain relief tab (Fig. 7).
- 10) Any stray braid ends remaining behind the strain relief tab should be laid flat against the jacket. Shrink the Versafit-1/4-0 shrink tubing onto the cable, starting just behind the crimped strain relief tab (Fig. 8), covering any stray braid ends. Use caution to avoid excessive heat on the plastic connector body.
- 11) Slide the boot all the way up onto the connector, place in rubber-jaw vise, with the square window up. Apply silicone grease to two front tabs on the red cover. Install these tabs into boot at front end of boot cavity (Fig. 9a). Tabs must snap into position (may carefully expand entry by using tweezers to close the connector latching clip halves on the connector body). If the front tabs of the cover are bent or damaged at all, discard and replace. Once the front tabs snap into position, push down rear of red cover until the cover snaps shut (Figs. 9a & 9b). Cycle the boot forward and back to verify the latch release, clean off any excess silicone grease.

Figure 1

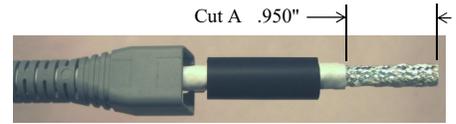


Figure 2

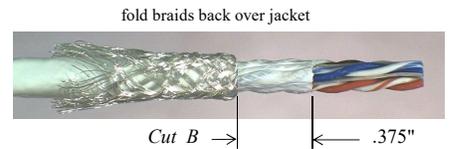


Figure 3a

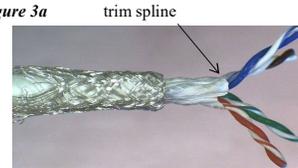


Figure 3b

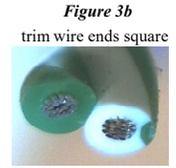


Figure 4

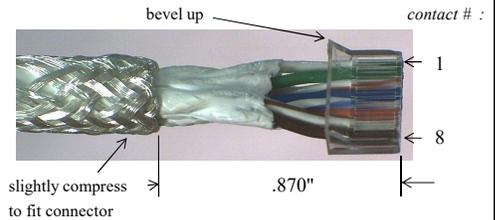


Figure 5

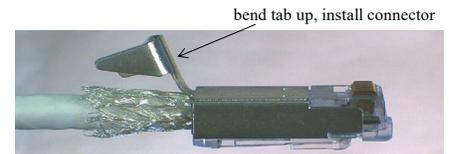


Figure 6



Figure 7

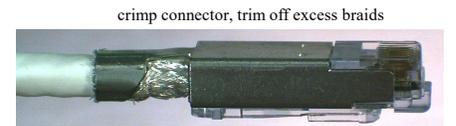


Figure 8



Figure 9a

install locking cover

Figure 9b



RJ45 Wiring Configuration for 568A or 568B		Pin	568A Configuration	568B Configuration
<p>Top View</p>	1	White / Green	White / Orange	
	2	Green	Orange	
	3	White / Orange	White / Green	
	4	Blue	Blue	
	5	White / Blue	White / Blue	
	6	Orange	Green	
	7	White / Brown	White / Brown	
	8	Brown	Brown	

Note : Connector Length added to cable = - .100" nominal