

**Termination Instructions for PIC RJ45 Shielded Plug P/N 110629**

(for E6A0824, E6A2824, E6A3824 & E6A6824 Ethernet Cables)

Required Tooling :	PIC P/N 110288 Crimp Tool (Sentinel P/N 900007), Heat Gun
Recommended Tooling :	X-acto Knife, Sharp Razor, Wire Cutters, Locking Tab Heat Shield, Eye Loupe / Magnifier

Dimensions in Inches (NOT to Scale)

- 1) Install Strain Relief Sleeve onto cable. Make Cut A (1.00" from end) through the Jacket. Remove Jacket, Braids, Foil, and white Binder tape. Do Not nick or cut into wire insulation. Inspect wire insulation to verify insulation integrity.
- 2) Fold each pair back, and trim off the center spline as short as possible, using caution to avoid nicking or cutting into the wires (Figs 2a, 2b). Inspect wire insulation to verify insulation integrity.
- 3) Align the wires into the desired pin-out configuration and install wires into the load bar, (Figs 3a, 3b). If necessary, wire ends can be cut slightly shorter (up to 0.05") to facilitate easier entry into the load bar. Position the load bar front edge at 0.85" from Cut A (Fig 3a). Trim off wire ends at Cut B, flush with the end of the load Bar @ 0.85" from Cut A (Fig 3a).
- 4) Make Cut C @ 0.30" from Cut A through the Jacket (Fig. 4). Do Not nick or cut into wire braids. Score the 0.30" section of jacket lengthwise and remove the jacket only.
- 5) Bend the connector body strain relief tab down (Fig. 5a) to allow wires / load bar installation. With the load bar positioned at the end of the wires, install the connector body onto the wires / load bar (Fig. 5a). Seat all wires fully into the connector, until the stranded conductors of each wire are visible through the front end of the connector body (Fig. 5b). Confirm all wires are fully seated per RJ45 Inspection Criteria below (Fig. 9) using magnification as needed.
- 6) Return the strain relief tab up into original position (Fig. 6). Verify all wires are still fully seated per 110629 Inspection Criteria (Fig. 8), before crimping. Crimp the connector using 110288 RJ45 Crimp Tool (Fig. 6), keeping wires firmly seated.
- 7) Slide the Strain Relief Sleeve up over metal strain relief tab, to be flush with the connector body .
- 8) Verify all wires are fully seated per 110629 Inspection Criteria below (Fig. 8).

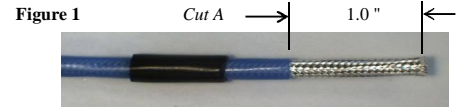


Figure 2a

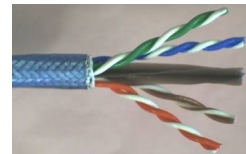


Figure 2b

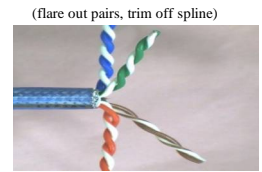


Figure 3a (568A shown)

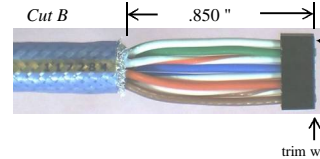


Figure 3b

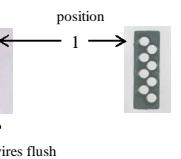


Figure 4

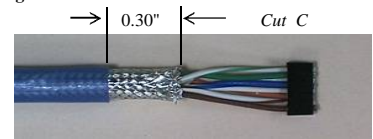
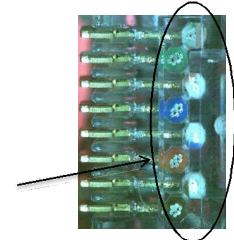


Figure 5a



Figure 5b (568A shown)



strain relief tab

ALL stranded wires visible

Figure 6

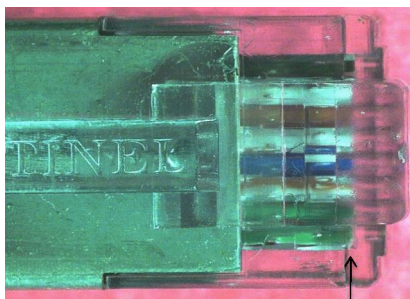


RJ45 crimped

Figure 7



Figure 8 (Magnified RJ45 Inspection Criteria)



ALL wires fully seated

RJ45 Pin Assignments		Pin	568A Configuration	568B Configuration
		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