PIC Wire & Cable		Termination Instructions	T-190015
A Division of the Angelus Corporation		Approved : me	Date : 12/03/03
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Recommended Hand Too	Termination Instructions for PIC RJ (for PIC Ethernet Cable P/N's E10424, E S: X-acto Knife, Sharp Razor, Magnifier	45 Ethernet Connector P/N 190015 E12424, E13424, E40424, & E61424) (for RJ45 inspection)	
Required Tooling	PIC 110340 RJ45 Crimp Tool (110274	4, Alternate), Wire Cutters	
 Install rubber strain relief sleev wider end towards the cable er 	re onto the cable. Install metal rear shield, with th d (Fig. 1).	All Dimensions in Inches - Not to Figure 1 Cut A	Scale .600" <
2) Make Cut A @ .600" from cab or cut into wire insulation. Rer insulation to verify integrity.	le end, through the cable jacket (Fig. 1). Do Not nove jacket, braids, and foil (Fig. 1). Inspect wir	t nick re	
3) Make Cut B @ .375" from Cut A, through the jacket (Fig. 2). Do Not cut into or nick wire braids. Remove jacket, and moderately flare the ends of the braids, to allow for installation of the inner ferrule (Fig. 3). Leave the foil intact.		or nick w for Figure 3	(flare braids)
 Install the inner ferrule, over th down to Cut B, under the braid 	he wires, over the foil, under the wire braids. Sea ls (Fig. 4).	at firmly	
5) Form wires into the desired conformation into the connector Trim off the ends of the wires flattening foam FEP insulation	nfiguration (ex. Fig. 5), per assembly dwg, in pre- (reference Fig. 10 for typical wiring configurati square and even using sharp wire cutters (to avo). Trim off .050" Max (Fig. 5).	eparation ion). oid Figure 4 (seat ferrule un	nder braids, over foil)
6) Prior to installation of the com 3 and 5 (Fig. 6a). This will con which will aid in wire insertion fully seated (Fig. 7a). To comp the ferrule. Confirm wires are the front end of the connector b connector body when wires are	nector body, form wires 4 & 6 upwards, offset fr form with the cavity pattern inside the RJ45 (Fig n. Install connector body onto wires until all wire lete full insertion, push while gripping braids ov fully seated by viewing stranded wire conductors body (Fig. 7b). The inner ferrule may contact the e fully inserted.	rom wires g. 6b) es are ver <i>Figure 5</i> (configure wir s through (trim ends even (.05	es,) 0" Max)) → ←
7) Slide the rear shield into place while keeping the wires in corr fully seated (Fig 8a). The end of the shield (Fig. 8a).	over the braids/ferrule and onto the back of the I ect position in the connector body, until the shie of the jacket should be visible outside the rear of	RJ45 eld is Figure 6a	Figure 6b (front view)
 Confirm all wires are fully seated. Crimp the connector using 110340 RJ45 Crimp Tool (Fig. 8b) or 110274 Tool (alternate). 		imp side view	
9) Slide Strain Relief up over hex crimp section of the Rear Shield (Fig. 9).		car	vities: 6 5 4 3
Figure 10 Typical ISD.	N Wiring Configuration	(install connector body)	(wires fully seated)
	3 Green 4 Blue 5 White 6 Orange	Figure 8a (fully seat the rear shield)	Figure 8b (crimp)
		Figure 9 (loc	ate strain relief sleeve)

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