

APPENDIX B:

INSTALLATION INSTRUCTIONS FOR COPPER COMPRESSION CONNECTORS

1. Select the proper lug or splice connector for the size of the cable being installed. Make sure that the size matches the description and details in the table.
2. Strip the insulation from the conductor to a length so that the stripped area of the conductor can be completely inserted into and fill up the barrel of the lug or splice. Be careful not to nick the copper conductor when stripping the installation.
3. Wire brush the stripped portion of the conductor to remove any oxide films.
4. The stripped portion of the conductor must be clean and inserted completely into the connector barrel.
5. Select the correct installation die from below and install using one of the following approved tools - NSi, Burndy, Thomas & Betts, IlSCO or Huskie. Install as many crimps as possible leaving a space of 1/8 inch maximum between successive crimps unless overlapped to fill the connector barrel. Narrow dies will require more crimps than wide dies.

REPRESENTATIVE CRIMPING LOCATIONS



CABLE SIZE	COLOR CODE	NSI TOOL DIE INDEX	T & B TOOL DIE INDEX	ILSCO TOOL DIE INDEX	HUSKIE TOOL DIE INDEX	BURNDY TOOL DIE INDEX
8 AWG	RED	-	21	-	-	-
6 AWG	BLUE	AT	24	ILD-2	AT	7
4 AWG	GRAY	AU	29	ILD-3	AU	8
3 AWG	WHITE	-	33	-	-	9
2 AWG	BROWN	AW	33	ILD-4	AW	10
1 AWG	GREEN	GM	37	ILD-4	GM	11
1/0 AWG	PINK	AY	42H	ILD-5	AY	12
2/0 AWG	BLACK	AZ	45	ILD-6	AZ	13
3/0 AWG	ORANGE	BA	50	ILD-9	BA	14
4/0 AWG	PURPLE	BC	54H	ILD-10	BC	15
250 MCM	YELLOW	BE	62	ILD-11	BE	16
300 MCM	WHITE	BF	66	ILD-12	BF	17
350 MCM	RED	BJ	71H	ILD-13	BJ	18
400 MCM	BLUE	BK	76	ILD-14	BK	19
500 MCM	BROWN	BL	87H	ILD-15	BL	20
600 MCM	GREEN	HH	94H	ILD-16	HH	472
750 MCM	BLACK	BP	106H	ILD-17	BP	24
1000 MCM	WHITE	-	-	-	-	27

NOTES

USE SINGLE OR MULTIPLE CRIMPS. FILL THE CONNECTOR BARREL WITH CRIMPS.

The following mechanical crimp tools can also be used with NSi Compression Connectors.

A. Up to 250 MCM Class B & C Copper Cable - NSi M-250, Penn-Union TDM-250, TDM-500 & Burndy MY29-3.

B. Up to 500 MCM Class B & C Copper Cable - Penn-Union TDM-500, M-500.

C. Up to 3/0 AWG Class I & K Copper Cable - Penn-Union TDM-250XF & Burndy MY29-11.