

A. Prepare Cables According to Standard Procedures Figure 1.

1. Allow sufficient concentric neutral wire length to jumper across splice. Main illustration.
2. Gently fold neutral wires back over cable, avoiding sharp bends.
3. Continue cable preparation according to Figure 1.

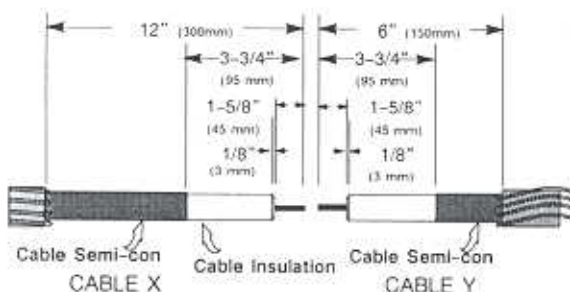


Figure 1

4. Clean cable using standard practice:
 - a. Do not use solvent or abrasive on cable semi-con insulation shield.
 - b. If abrasive must be used, do not reduce cable insulation diameter below that specified for splice.

B. Installation

1. Place Porta-Pencil over conductor strands of Cable X. Large end should butt against cable insulation end. Figure 2.

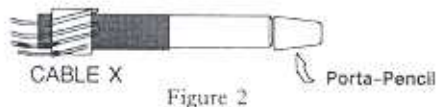


Figure 2

2. Lubricate Porta-Pencil, cable insulation, splice bore, and semi-con of Cable X, with silicone grease furnished.

3. Install splice body onto Cable X.
4. Remove Porta-Pencil, leaving conductor exposed for connector.

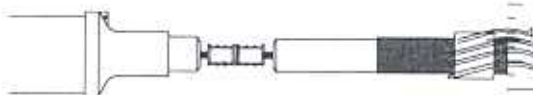


Figure 3

5. Install connector, using CI connector (or equivalent) crimped per table. NOTE: Do not crimp inside knurl region. Remove excess contact aid and file sharp connector flashing if present. Figure 3.
6. Slide splice body into final position over connector, using bumps formed on splice ends as guides for centering. Figure 4.

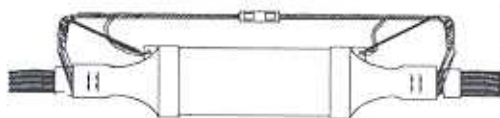


Figure 4

C. Grounding Splice

1. Position Cable X concentric neutral wires back along cable, taping down at edge of splice.
2. Attach one concentric strand from each cable through its respective grounding eye and back to concentric neutral wires.
3. Twist remaining conductors together, including grounding eye strand, and jumper across splice using an inline compression connector.

CRIMPING TOOL TABLE

CABLE CONN. SIZE	MFG.	MECHANICAL		HYDRAULIC		TECHNICAL DATA
		TOOL	DIE (Crimps Per End)	TOOL	DIE (Crimps Per End)	
2/0 - CI 2/0	BURNDY	MD8	W-249 (3)	Y-35, Y-39, Y-45 *	U28 ART (2)	VOLTAGE RATING 15 kV - 150 kV BE FOR CABLES RATED 90°C CONDUCTOR TEMP. CONTINUOUS AL. OR CU. COND. PASSES TESTS REQUIRED IN IEEE STANDARD 404-1986 FOR POWER CABLE JOINTS
	KEARNEY	0-82, 0-51	840 (4)**	WH-1, WH-2	840 (3)	
3/0 - CI 3/0	T&B	TBM-6	Blue (4)	TBM-15	76 (2)	
	ANDERSON	-	-	VC6	UNIVERSAL (2)	
4/0 - CI 4/0						

* - Usable with U - Die Adapter PT 551

** - Excess Flash Must Be Filed Off to Round Out Connector

Ins. O.D.
Max. 1.05" (27 mm)



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NOT TO SCALE	DR. G. L. A.	APP. G. L. A.	2047 T - 26
Electrical Products Division/3M St. Paul, MN 55146-1000 Made in U.S.A.			

3M Quick Splice II Molded Rubber Splicing Kit 5412

For Concentric Neutral (URD) Cable
Primary Insulation O.D. Range: 0.84 - 1.05 inches
(21 - 27 mm)

Conductor size - 2/0 to 4/0 AWG
15 kV Class 2/0 AWG (0.220" Ins. Thickness only)