

CAUTION: Check insulation diameter. It must be between .637 (16,2) and .900 (22,9) inches (mm).

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 and the Connector and Dimension Tables.

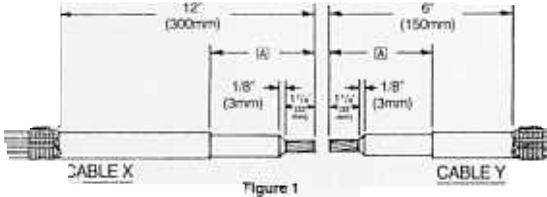


Figure 1

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

B. Installation

- a. Lubricate insulation of both cables and semi-con jacket of Cable X, with silicone grease furnished.
2. Install splice body onto Cable X, leaving conductor exposed for connector (Figure 2).

Tip: Lubricate bore with silicone grease to aid application.



Figure 2

3. Install connector, using CI connector (or equivalent) crimped per table. Remove excess contact aid and file sharp connector flashing if present.
4. Slide splice body into final position over connector, using bumps formed on splice ends as guides for centering (Figure 3).

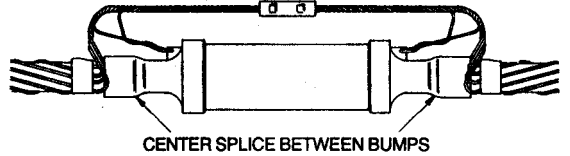


Figure 3

C. Grounding Splice (Figure 3)

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 splice 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.

CONNECTOR AND DIMENSION TABLE

CONDUCTOR SIZE (AWG)		CONNECTOR DESIGNATION	DIMENSION [A] INSULATION LEVEL	
STRANDED	SOLID		100% (.175")	133% (.220")
—	#2	CI-22	3 1/4"	3 1/4"
#2	#1	CI-21	3 1/4"	3 1/4"
#1	1/0	CI-20	3 1/4"	3 1/4"
1/0	—	CI-1/0	—	—
2/0	—	20006	—	—

TRANSITION CONNECTOR AND DIMENSION TABLE

CONDUCTOR SIZES (AWG)				CONNECTOR DESIGNATION	DIMENSION [A] INSULATION LEVEL
FROM CABLE X...		...TO CABLE Y			
STRANDED	SOLID	STRANDED	SOLID		
#4	#2	#1	1/0	CI-T-1	3 1/4" (89 mm)
#2	#1	#1	1/0	CI-T-2	
#1	#2	1/0	—	CI-T-3	
#2	#1	1/0	—	CI-T-4	
#2	#1	#4	#2	CI-T-5	

CRIMPING TOOL TABLE

CABLE SIZE	MFG.	MECHANICAL		HYDRAULIC		TECHNICAL DATA
		TOOL	DIE (Crimps Per End)	TOOL	DIE (Crimps Per End)	
2 AWG TO 2/0	BURNDY	MO6	BO (3)	Y-35, Y-39, Y-43*	L25 ART (1) L243 (1)	VOLTAGE RATING 15 KV FOR CABLES RATED 90°C COND. TEMP. AL OR CU COND. PASSES TESTS REQUIRED IN IEEE STANDARD 484-1977 FOR POWER CABLE JOINTS
	HEARNEY	0-52, 0-51	5-B-1 (2)	12,20 & 40 TON	5-B-1 (3)	
	T & B	TBM-8	OLIVE (2)†	TBM-15	50 (1)†	
	ANDERSON	—	—	VCS	UNIVERSAL (1)	

* Useable with U-Die Adapter PT 851
 ** Excess Flash Must Be Filed Off To Round Out Connector
 † .175" Insulation Thickness Only

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2047T25			
Electro-Products Division 3M St. Paul, MN 55101 Made in U.S.A.			

3M QUICK-SPLICE II
 Inline Splicing Kit
5411
 For use on Concentric Neutral (URD) Cable
Conductor Size
 #2-2/0 AWG (0.175" Insulation Thickness)
 #2-1/0 AWG (0.220" Insulation Thickness)
Insulation O.D.
 .637" (16,2mm) to .900" (22,9mm)