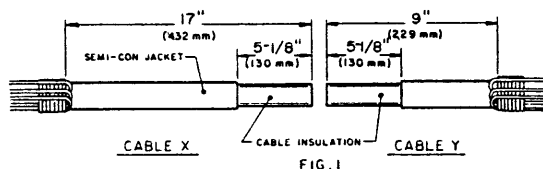


CAUTION: CHECK THE INSULATION DIAMETER. THE DIAMETER MUST BE BETWEEN .795 & .940 INCHES.

A. PREPARE CABLES ACCORDING TO STANDARD PROCEDURES (FIGURE 1)

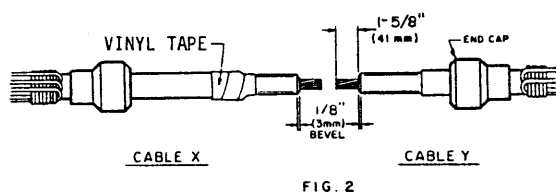
1. Allow sufficient concentric neutral wires for connection.
2. Gently fold neutral wires back over cable jackets. Avoid sharp bends.
3. Continue preparation of cables according to Figures 1 & 2.



4. Clean cables.
 - a. Do not use solvent on semi-conductive jacket.
 - b. Do not use abrasive cloth on insulation or semi-con jacket.

B. INSTALLATION PROCEDURES (FIGURES 2,3 and 4)

1. In order to facilitate splice installation wrap a small amount of vinyl tape around the edge of the jacket on cable X to form a ramp. This tape must be removed after step 8.
2. Lubricate the insulation of both cables with silicone grease furnished in kit.
3. Slide end caps onto their respective cables.
4. Clean and generously relubricate insulation of cable X.



5. Install splice body onto cable X.



FIG. 3

6. Install connector. See connector and crimping tool table below.
7. Reclean and lubricant exposed insulation.
8. Center splice body over connector as in Figure 4.

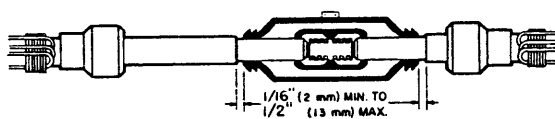


FIG. 4

9. Apply silicone grease over exposed insulation.
10. Firmly seat one end cap against splice body and twist to splice body. Two locking grooves exist on the splice body. THE WORKMAN SHOULD FEEL TWO SNAPS.
11. Check for proper spacing between splice body and jacket of other cable.
12. Firmly seat remaining end cap against splice body.

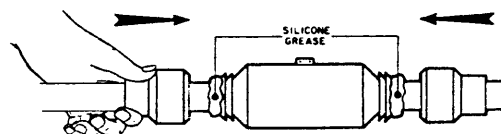


FIG. 5

C. GROUNDING THE SPLICE

1. Attach one wire from each cable to the grounding eye and remainder to an inline connector as shown.

**3M Systems
for Splicing
and Terminating.**

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CONNECTOR TABLE		CRIMPING TOOL TABLE						TECHNICAL DATA
CONDUCTOR SIZE	3M SPLICE CONNECTOR NUMBER	CABLE SIZE	MFG.	MECHANICAL		HYDRAULIC		VOLTAGE RATING 15KV FOR CABLES RATED 90°C COND. TEMP. AL OR CU COND. PASSES TESTS REQUIRED IN IEEE PROPOSED STANDARD FOR POWER CABLE JOINTS
				TOOL	DIE (CRIMPS PER END)	TOOL	DIE (CRIMPS PER END)	
2/0	CI-2/0	2/0 TO 4/0	BURNDY	MD6	W660(3)	Y-35,Y-39,Y-45*	U2B ART (2)	
3/0	CI-3/0		KEARNEY	—	—	WH-1,WH-2	840(3)	
4/0	CI-4/0	T & B	TBM8	WHITE(3)**	TBM15	66(2)**		
		ANDERSON	—	—	VC6	UNIVERSAL(2)		
NOTE: A SPECIAL 3M "CI" SERIES CONNECTOR IS NECESSARY FOR USE IN ALL QUICK SPLICES		* — USABLE WITH U-DIE ADAPTER PT651 ** — EXCESS FLASH MUST BE FILED OFF TO ROUND OUT CONNECTOR						

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DR. N. E. WROBEL		APP. <i>[Signature]</i>	
2047 T 3			
Electro-Products Division 3M			

3M QUICK-SPLICE
 INLINE SPLICING KIT
5403
 FOR USE ON CONCENTRIC NEUTRAL (URD) CABLE
 CONDUCTOR SIZE 2/0 TO 4/0
 INSULATION O.D. .795" (20.19mm) TO .940" (23.88mm)