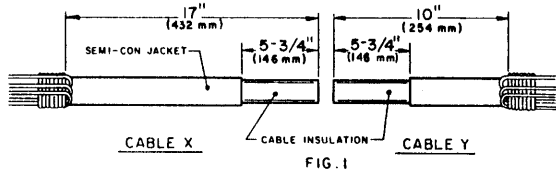


CAUTION: CHECK THE INSULATION DIAMETER. THE DIAMETER MUST BE BETWEEN 1.120 & 1.320 INCHES.

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

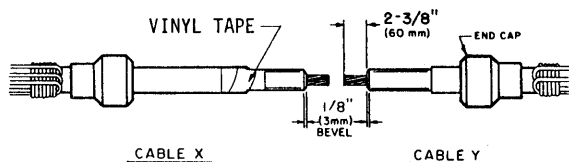
1. Allow sufficient concentric neutral wires for connection.
2. Gently fold neutral wires back over cable jackets. Avoid sharp bends.
3. Continue preparation of cables according to Figures 1 & 2.



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.

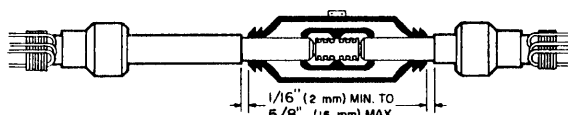


FIG. 4

9. Apply silicone grease over exposed insulation.
10. Firmly seat one end cap against splice body and twist onto 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.

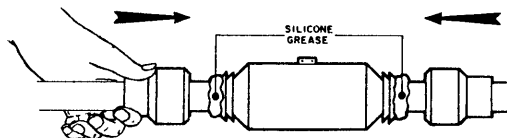


FIG. 5

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.

CONNECTOR TABLE

CONNECTOR SIZE	3M SPLICE CONNECTOR NUMBER
500 MCM	CI-500
500 MCM COMPACT	CI-450

NOTE: A SPECIAL 3M "CI" SERIES CONNECTOR IS NECESSARY FOR USE IN ALL QUICK SPLICES

CRIMPING TOOL TABLE

CABLE	MFG.	HYDRAULIC	
		TOOL	DIE (CRIMPS PER END)
500MCM	BURNDY	Y-39,Y-45*	U34 ART (3)
	KEARNEY	WH-2	1-5/16 (3)
	T & B	TBM-15	106(3)**

* - USABLE WITH U-DIE ADAPTER PT651
 ** - EXCESS FLASH MUST BE FILED OFF TO ROUND OUT CONNECTOR

TECHNICAL
 "A"
 VOLTAGE RATING (5KV)
 FOR CABLES RATED °C COND. TEMP.
 100 °C CU. COND.
 PASSES TESTS REQUIRED IN IEEE PROPOSED STANDARD FOR POWER CABLE JOINTS

IMPORTANT NOTICE TO PURCHASER: All statements, technical information and recommendations contained herein are based on tests we believe to be reliable, but the accuracy or completeness thereof is not guaranteed, and the following is made in lieu of all warranties, express or implied:
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DR.	APP.		
N. E. WROBEL	<i>[Signature]</i>		
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Electro-Products Division 3M			
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3M QUICK-SPLICE
 INLINE SPLICING KIT
5407
 FOR USE ON CONCENTRIC NEUTRAL (URD) CABLE
 CONDUCTOR SIZE 500 MCM
 INSULATION O. D. 1.120" (28.45mm) TO 1.320" (33.53mm)