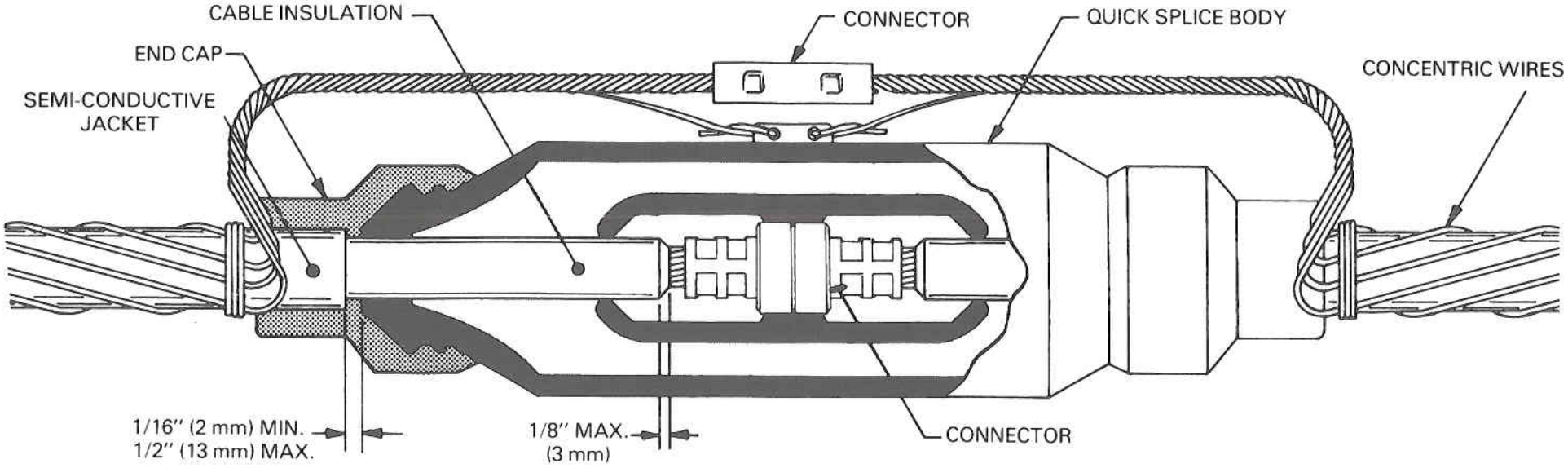

CAUTION: CHECK THE INSULATION DIAMETER. THE DIAMETER MUST BE BETWEEN 1.060 & 1.210 INCHES.

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.

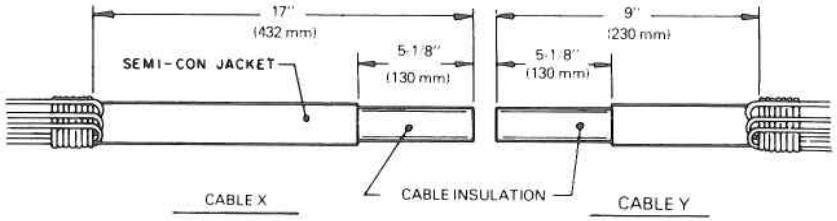

FIG. 1

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

6. Install splice body onto cable X.

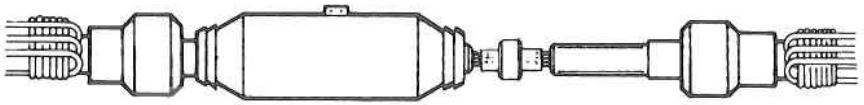

FIG. 3

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

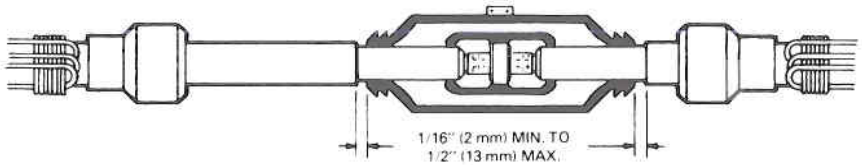

FIG. 4

10. Apply silicone grease over exposed insulation.
11. 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.*
12. Check for proper spacing between splice body and jacket of other cable.
13. Firmly seat remaining end cap against splice body.

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. Examine edge of semi-con jacket on cable X. If the jacket appears to be flared outward, wrap a small amount of vinyl tape around the edge of the jacket to form a ramp. This tape must be removed prior to step 8.
3. Lubricate the insulation of both cables with silicone grease furnished in kit.
4. Slide end caps onto their respective cables.
5. Clean and generously relubricate insulation of cable X.

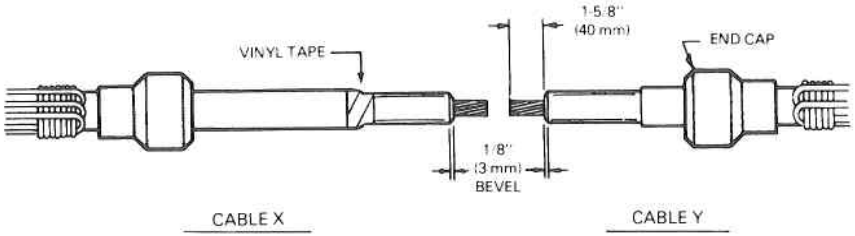

FIG. 2

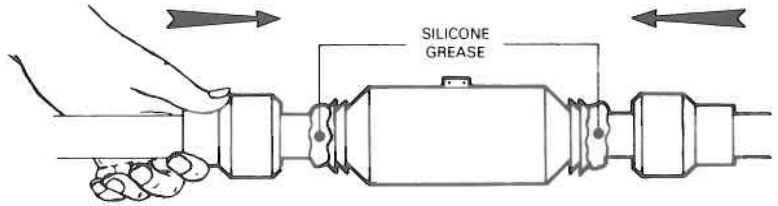

FIG. 5

C. **GROUNDING THE SPLICE**

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

3M Systems for Splicing and Terminating.

CONNECTOR TABLE

CONNECTOR	STRANDED	SOLID
CI-1A	#1	1/0
CI-1/0A	1/0	—

NOTE: A special 3M "CI" Series Connector is necessary for use in all quick splices.

CRIMPING TOOL TABLE

CABLE SIZE	MFG	MECHANICAL		HYDRAULIC	
		TOOL	DIE (Crimps per End)	TOOL	DIE (Crimps per End)
#1 & 1/0	BURNDY	MD6	BG(2)***	Y-35, Y-39, Y-45*	U26ART(2)
	KEARNEY	0-52, 0-51	5/8-1(2)***	WH-1, WH-2	5/8-1(2)***
	T & B	TBM-8	Olive(2)	TBM-15	50(1)**
	ANDERSON	—	—	V C 6	UNIVERSAL

*Usable with U-Die Adapter PT651
**Excess flash must be filed off to round out connector
***Second crimp can overlap first (i.e., three indentations)

TECHNICAL DATA

VOLTAGE RATING 35 KV

FOR CABLES RATED 90°C COND. TEMP.

AL. OR CU. COND.

PASSES TESTS REQUIRED IN IEEE PROPOSED STANDARD FOR POWER CABLE JOINTS

ISSUE	DATE	REV.	CH.
3	10 MARCH 77		
NOT TO SCALE		CH	
DR. N.E. WROBEL		APP.	

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Electro-Products Division 3M COMPANY
3M CENTER · SAINT PAUL MINNESOTA 55101

3M BRAND **QUICK-SPLICE**

INLINE SPLICING KIT

5432

FOR USE ON CONCENTRIC NEUTRAL (URD) CABLE

CONDUCTOR SIZE #1 & 1/0

INSULATION O.D. 1.060" (26.92 mm)
TO 1.210" (30.73 mm)