



# Quick Term II™

## Hi-K Silicone Rubber Termination Kit, 15 kV

### Instruction Sheet

**IEEE Std. No. 48, 1975**

Class 3 Termination

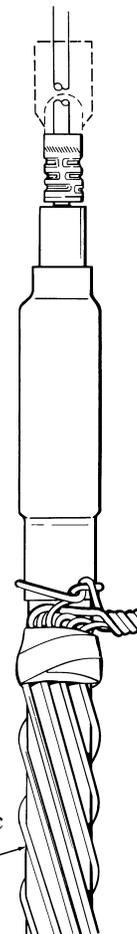
15 kV Class

**Kit Contents:**

1 Hi-K Silicone Rubber Termination

1 Packet of Silicone Grease

1 Instruction Sheet



DIMENSION TABLE					
Kit No.	A	B	C	15kV Cond. Size Range (A W G - k c m i l)	Primary Insul. O.D. Range (inch-mm)
5 6 71	9-1/4" (235 mm)	Depth of Lug or Stem Connector Barrel	8" (203 mm)	#2 - 250	.637 - 1.120" (16.2 - 28.4 mm)
5 6 72	9-1/4" (235 mm)		8" (203 mm)	250 - 1000	.940" - 1.810" (23.9 - 46.0 mm)

**Technical Information:**

For use on 15 kV Concentric Neutral (CN) or Jacketed Concentric Neutral (JCN) Cables

**Conductor Size Range:**

#2 AWG-1000 kcmil

**Primary Insulation O.D. Range:**

.637"-1.810" (16.2 - 46.0 mm)

**Hi-K Silicone Rubber Termination Kits for CN and JCN Cable**

15 kV Class

**5671**

**5672**

Number of Pages: 4

Scale: Not to Scale

Issue Date: 9/9/97

Issue: A

**78-8111-0807-1**

## A. Prepare Cable

1. Check to be sure cable size fits within the kit range as shown in the table below.
2. For JCN cable remove cable jacket at a distance of A plus depth of lug or terminal B. See Figure 1a and Dimension Table below.
3. Bind concentric neutral wires from cable end a distance of A plus B. See Figure 1b and Dimension Table below. Allow sufficient neutral wire length for neutral connection.
4. Remove semi-conductive jacket for a distance of C plus B. See Figure 1a, 1b and Dimension Table.

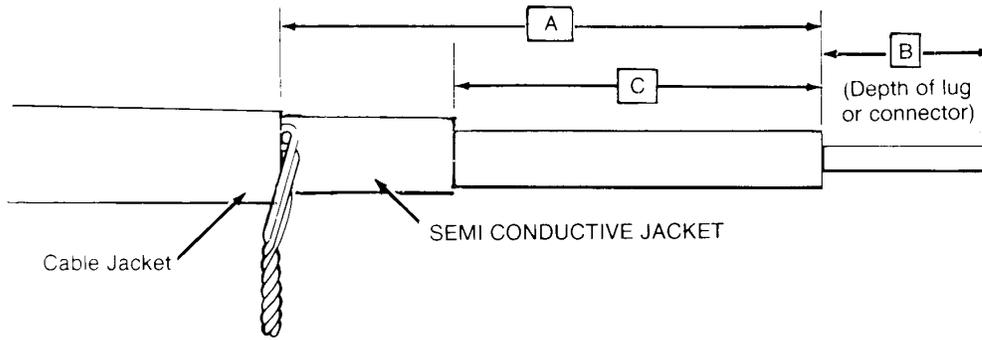


Figure 1a (JCN Cable)

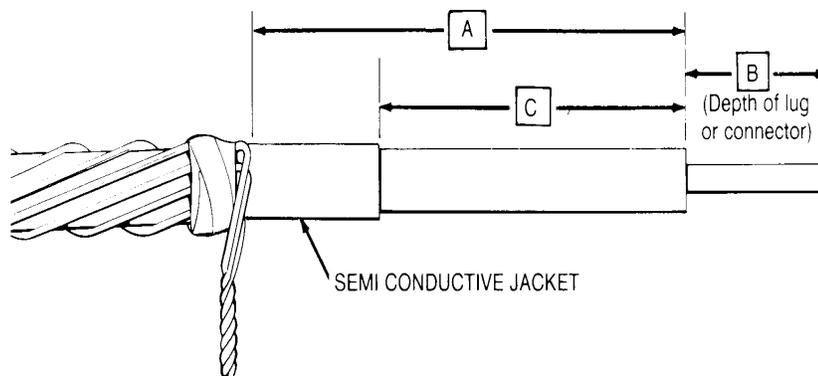


Figure 1b (CN Cable)

5. Remove cable insulation for a distance of B. See Figure 1.
6. **CLEAN CABLE USING STANDARD PRACTICE.**
  - a. Wipe the cable insulation with a solvent such as 1, 1, 1 trichloroethane in the Scotch Brand A-2 Cable Prep Kit. Do not allow solvent to touch semi-con.
  - b. If abrasive must be used:
    - 1) Use on insulation only. **DO NOT USE ON SEMI-CON JACKET.**
    - 2) Use only 120 grit aluminum oxide such as in A-2 Cable Prep Kit or Scotch Brand A-3 Electricians Abrasive Roll.
    - 3) Be careful not to reduce the cable insulation diameter below that allowed by the kit.

## B. Install Termination

1. Cover the edge of the semi-conducting material with a liberal coating of silicone grease. **NOTE: ON THIS PRODUCT THE SILICONE GREASE DOES NOT SERVE AS A LUBRICANT. IT MUST BE USED TO FILL THE STEP AT THE SEMI-CON CUTOFF.** Spread silicone grease over the entire exposed primary insulation.
2. Slide the termination body onto the cable.

3. Remove termination core by unwinding counter-clockwise starting with the loose end. Make sure the termination body is butted up to the edge of the neutral wires. (Figure 2a, 2b.) Note: An occasional tug of the strand while unwinding will aid in core removal. Wipe off excess silicone grease from the exposed insulation.

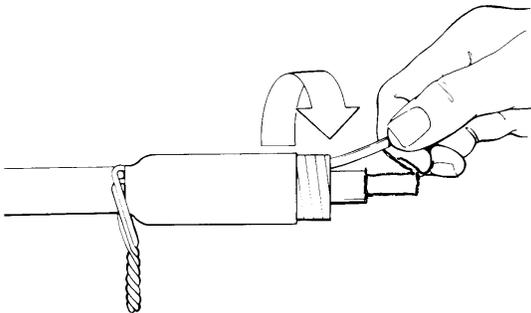


Figure 2a (JCN Cable)

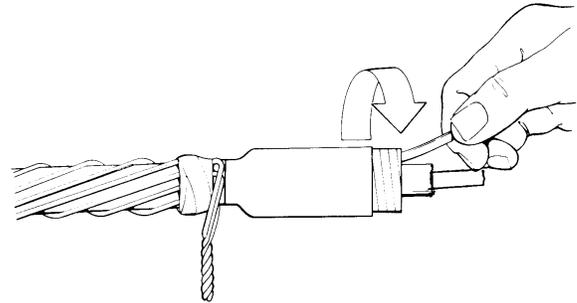


Figure 2b (CN Cable)

4. Twist one neutral wire around base of termination. IN NO CASE SHOULD THE STRAND BE TWISTED ABOVE THE SEMI-CON CUTOFF. See figure 3.

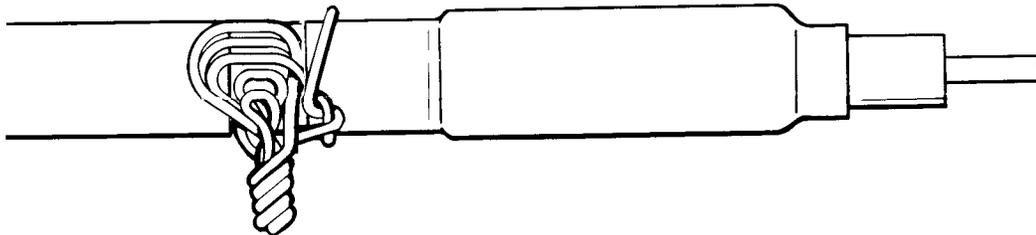


Figure 3a (JCN Cable)

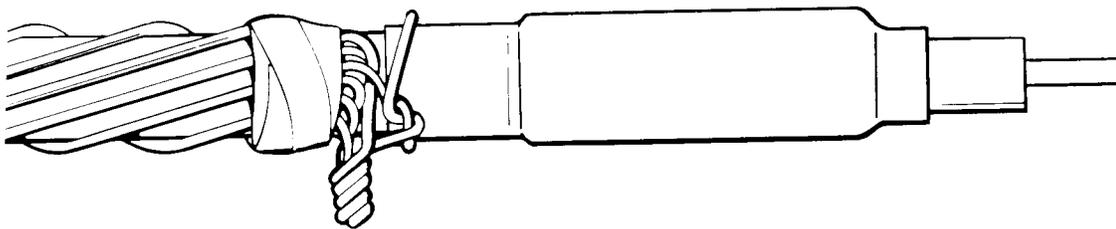


Figure 3b (CN Cable)

C. Install Lug or Connector

1. Install lug or connector per manufacturer's instructions. See Crimping Table below when using 3M type lugs.

CRIMPING TABLE FOR 3M STEM TYPE CONNECTORS						
Conductor Size	3M Stem Conn. No.	Recommended Crimping Tools				
		Manufacturer	Mech. Tool	Die (No. Crimps)	Hydraulic Tool	Die (No. Crimps)
#1 Sol #1,#2 1/0	SC0002 SC0001 SC0010	BURNDY KEARNY T & B ANDERSON	MD6 O-51,O-52 TBM8 -	BG(4),W-243(4) 5/8 (4) OLIVE (2) -	Y35,Y39,Y45**  TBM 15 VC 6	U25ART(2),U243(2)  50*(2) UNIVERSAL (2)
2/0 3/0 4/0	SC0020 SC0030 SC0040	BURNDY KEARNY T & B ANDERSON	MD6 O-51 ,O-52 TBM8 -	W660(3),840(5) 840(5)* WHITE(4) -	Y35,Y39,Y45** WH-1 ,WH-2 TBM 15 VC 6	U28ART(2) 840(2) 66(3) UNIVERSAL (2)
250 - 1000 kcmil	Crimp According to Manufacturer's Directions					

**NOTE: when installing in enclosed switchgear or transformers maintain clearances required by manufacturers.**

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