

CONSTRUCTION GUIDELINE

TRIFURCATION of THREE CONDUCTOR POLYETHYLENE CABLE, 13 & 28 KV WITH and WITHOUT NEUTRAL/GROUND WIRES

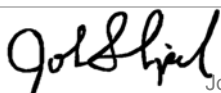
NOTES

- A. Determine the routing and length of cable required. Cut the cable, then remove the final 60 inches or more of the cable jacket. Be careful not to cut the shielding tape of the individual conductors.
- B. Remove the filler material (if any) between the phase conductors.
- C. Clean and scuff the remaining end of the jacket a distance of 4 inches.
- D. Slide a heat-shrinkable boot over the three conductors, neutral/ground wires if applicable and over the cable jacket, then shrink. Do not damage the shielding tape.
- E. Slide a pre-cut length of heat shrink tubing over each of the three phase conductors as far as possible and shrink to fit. Do not damage the shielding tape.
- F. Cut the neutral/ground wires using the 12 inch heat shrink as a template to locate the splice/connector. Wrap two layers of red mastic over the connector. Slip on the 12 inch heat shrink tubing over splice and shrink into place.
- G. Proceed with splice, end bell or termination, in accordance with applicable standard as referenced below.
Note: The boot contains a sealant which provides a watertight seal.

APPLICABLE STANDARDS

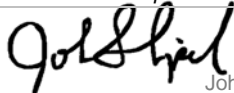
- (1) Straight Splice NSP-100
- (2) 13.8 kV Wye-Splice NSP-120
- (3) 26 kV Wye-Splice NSP-130
- (4) Terminations: Transformer NSP-310
Disconnect Switch NSP-310
1Ø Termination NSP-300

standards coordinator



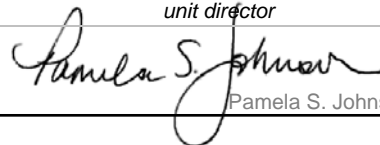
John Shipek

standards supervisor



John Shipek

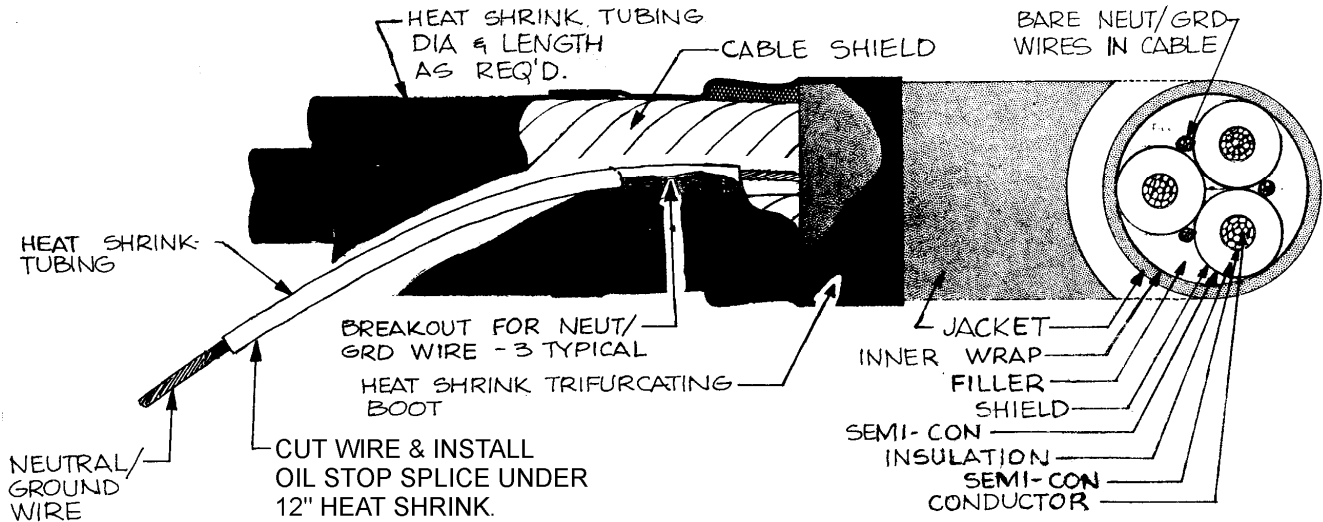
unit director



Pamela S. Johnson

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MATERIAL LIST

QUANTITY	DESCRIPTION	SIZE	STK. NO.
<u>WITHOUT NEUTRAL/GROUND</u>			
1	BOOT, Heat Shrinkable	15 kV #1, 3/0, 350	2.90" 737517
		15 kV 500 & 750	4.53" 010402
1	TUBING, Heat Shrinkable, medium wall, 48"	15 kV #1, 350	1.7" 737622
		15 kV 500 to 1000	2.91" 737623
<u>WITH NEUTRAL/GROUND</u>			
1	BOOT, Heat Shrinkable		3.85" 737520
1	TUBING, Heat Shrinkable, medium wall, 48"	28 kV #1	1.7" 737622
		28 kV 350	2.91" 737623
3	TUBING, Heat Shrinkable, heavy wall, 12"	28 kV #1	0.75" 737451
		28 kV 350	1.10" 737453
3	CONNECTOR, Oil Stop	28 kV #1	#4 Cu 677300
		28 kV 350	2/0 Cu 677304