

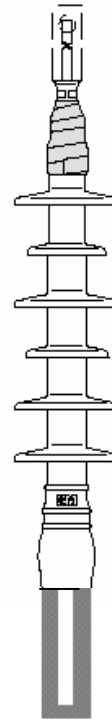


Cold Shrink™ Quick Term II 5650 Series Instruction Sheet

Instructions Outdoor Termination 25 kV Class

Kit Content

- 1 Hi-K Silicone Rubber Termination
- 1 Mechanical Ground Strap
- 2 Mastic Seal Strips
- 2 Scotch™ 70 Silicone Rubber Tape Strips
- 1 Scotch™ 13 Semi-Conducting Tape Strip
- 1 Pack of Silicone Grease
- 1 Roll of Vinyl Tape



Kit Selection Table

Kit Number	Primary Insulation O.D. Range	Jacket O.D. Range	Conductor Size Range (AWG & kcmil)	
			15 kV	25/28 kV
5651	.637 – 1.12" (16 – 28 mm)	.93 – 1.35" (24 – 34 mm)	#2 – 2/0	#2 – 1/0
5652	.84 – 1.38" (21 – 35 mm)	1.19 – 1.72" (30 – 44 mm)	3/0 – 350	1/0 – 250
5653	1.08 – 1.80" (27 – 46 mm)	1.37 – 2.02" (35 – 51 mm)	400 – 700	250 – 500
5654	1.31 – 2.10" (33 – 53 mm)	1.62 – 2.55" (41 – 65 mm)	750 – 1500	500 – 1250



Tape Shield Cable

3M Quick Term II
5650 Series Outdoor Termination
25 kV Class

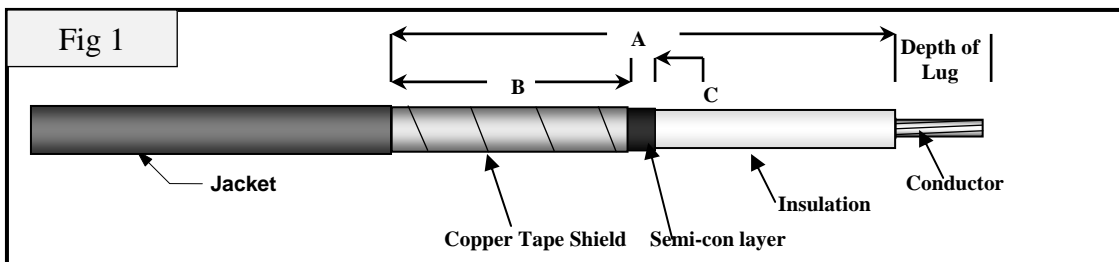
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For Tape Shield Cable

A. Prepare Cable

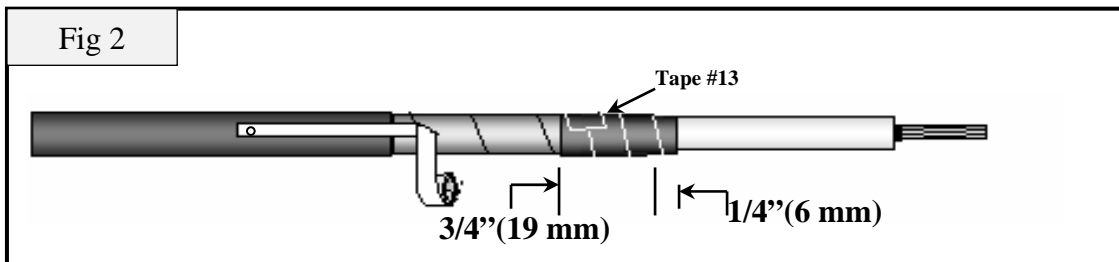
1. Prepare cable to the dimensions shown in Fig. 1 as per table below.

	A	B	C
5651	10 ½"(267mm)	1 ¾"(45mm)	¼"(6mm)
5652	10 ½"(267mm)	1 ¾"(45mm)	¼"(6mm)
5653	11"(280mm)	1 ¾"(45mm)	¼"(6mm)
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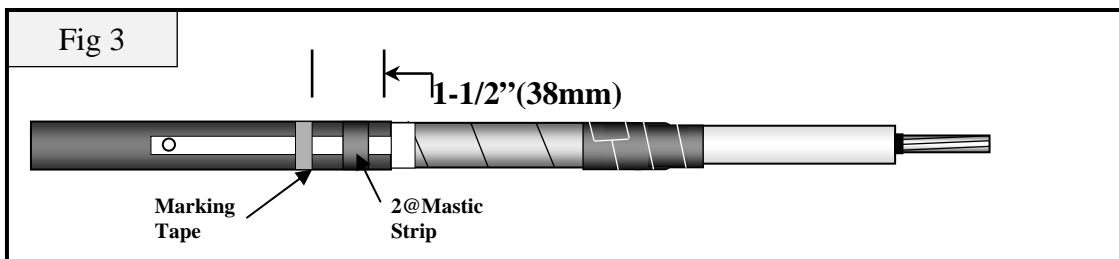
B. Install Ground Strap

1. Wrap 2 highly stretched half-lapped layers of Scotch™ 13 Semi-Conductive Tape over the ends of the tape shield and semi-con. Start and end taping ¾"(19 mm) onto tape shield leaving a smooth, even leading edge ¼"(6 mm) onto cable insulation (Fig 2.).
2. Unwrap 1" to 2" (25 to 50 mm) of coil.
3. Lay the ground strap along cable with extended coil facing down (away from you). Coil should be in contact with cable shielding and close as possible to the cable jacket end (Fig 2.).

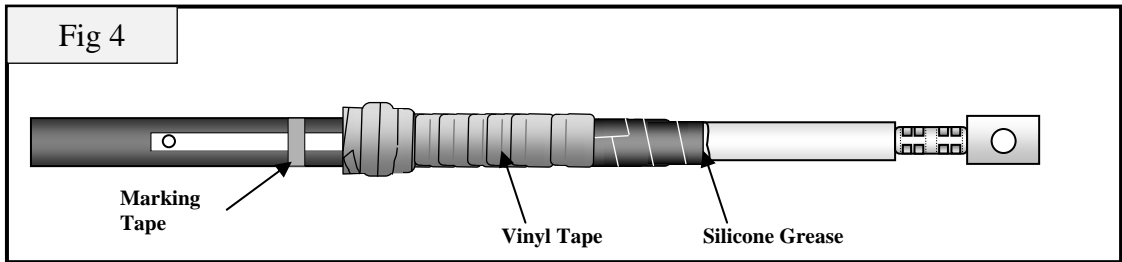


4. Sealing Ground Strap

Apply mastic strip by wrapping 1 layer around the cable jacket (under grounding strap tail) and as close as possible to cable jacket. Push strap into mastic and wrap the second mastic strip over ground strap. Cut off excess. Apply marking tape 1-½"(38mm) back from jacket cut edge (Fig 3.).



- Wrap 1 half-lapped layer of highly stretched vinyl tape over applied mastic strip and ground strap coil, to edge of previously applied #13 tape (Fig 4).



A. Install Terminal Lug

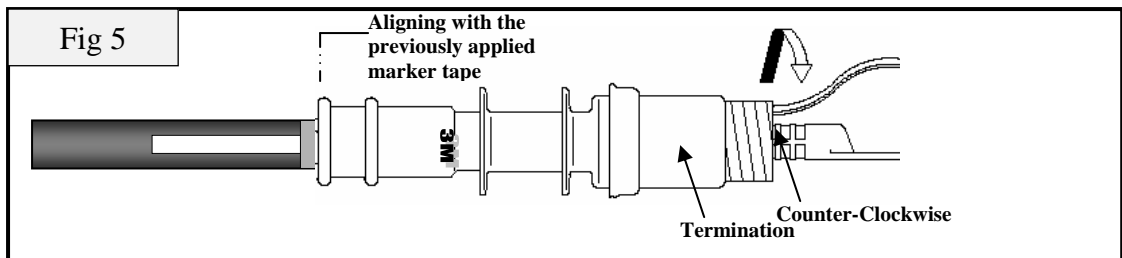
- Remove cable primary insulation for terminal lug (lug barrel depth + allowance for crimp expansion). Install lug according to manufacturer's recommendations (Fig 4.).
- Clean cable primary insulation and lug area according to normal practice.

Note: DO NOT allow solvent to contact Scotch™ 13 tape or cable semi-conductive layer.

- Cover the edge of the 13 tape with a liberal coating of silicone grease (Fig 4.). The silicone grease may also be used to fill in cable surface defects and can be applied over the ground strap seal to aid in core removal.

B. Install Termination

- Slide the termination body onto cable, aligning the base with previously applied marker tape (Fig 5.).
- Remove termination core unwinding counter-clockwise starting with the loose end. Make sure the termination body is butted up to the edge of marker tape (Fig 5.).



- Apply four half-lapped layer of Scotch™ no. 70 over the lug and onto the insulator for 1"(25 mm). Start and end taping on the lug barrel (Fig 6.). (Apply Last lap with minimum tension.)
- Remove marking Tape

