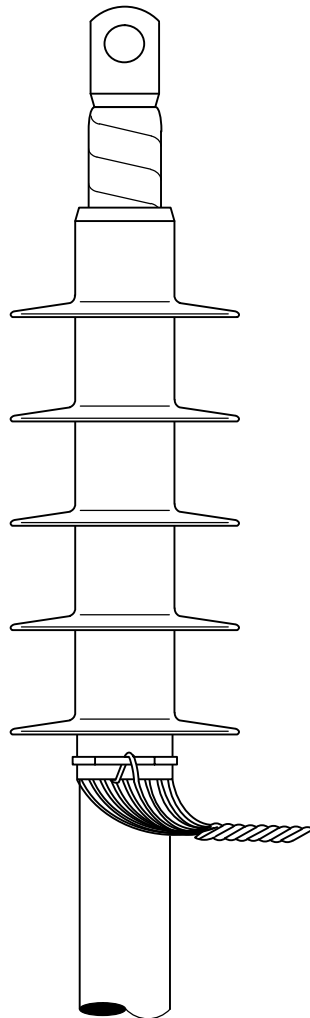


3M QTEN



Kit No.	95-EP 620-1R
Conductor Cross Section (mm ²)*	400
Diameter over Primary Insulation D (mm)	33.0 - 60.0

* Different cable constructions may change the actual application range.
Diameter over Primary Insulation is the final determining factor.

3M Deutschland GmbH		Issue: 2	Issue date: 25.02.2015
Please note: This product may only be assembled by trained specialized personnel according to these assembly instructions. The preceding specifications are the result of in-depth research. They correspond to the state of our experience. A test by you will convince you of the excellent properties of the 3M products. Verify yourself whether these products are suitable for your purposes. All questions regarding a warranty liability are governed by our terms of sale, unless legal provisions provide differently.		<div>3M QTEN</div> <div>Molded Rubber Termination for Indoor Application</div> <div>95-EP 620-1R</div> <div>for single core plastic insulated copper wire screened cables acc. to IEC 60840 U_m = 52 kV</div>	
AABBDD20775	1. Issue date: 23.10.14		
Language: English	1. Change date: 25.02.15		
Drawn: M. Hubrich	2. Change date:		
Checked: M. Petry	3. Change date:		
	4. Change date:		
3M Electrical Products		XE-0091-4049-4	

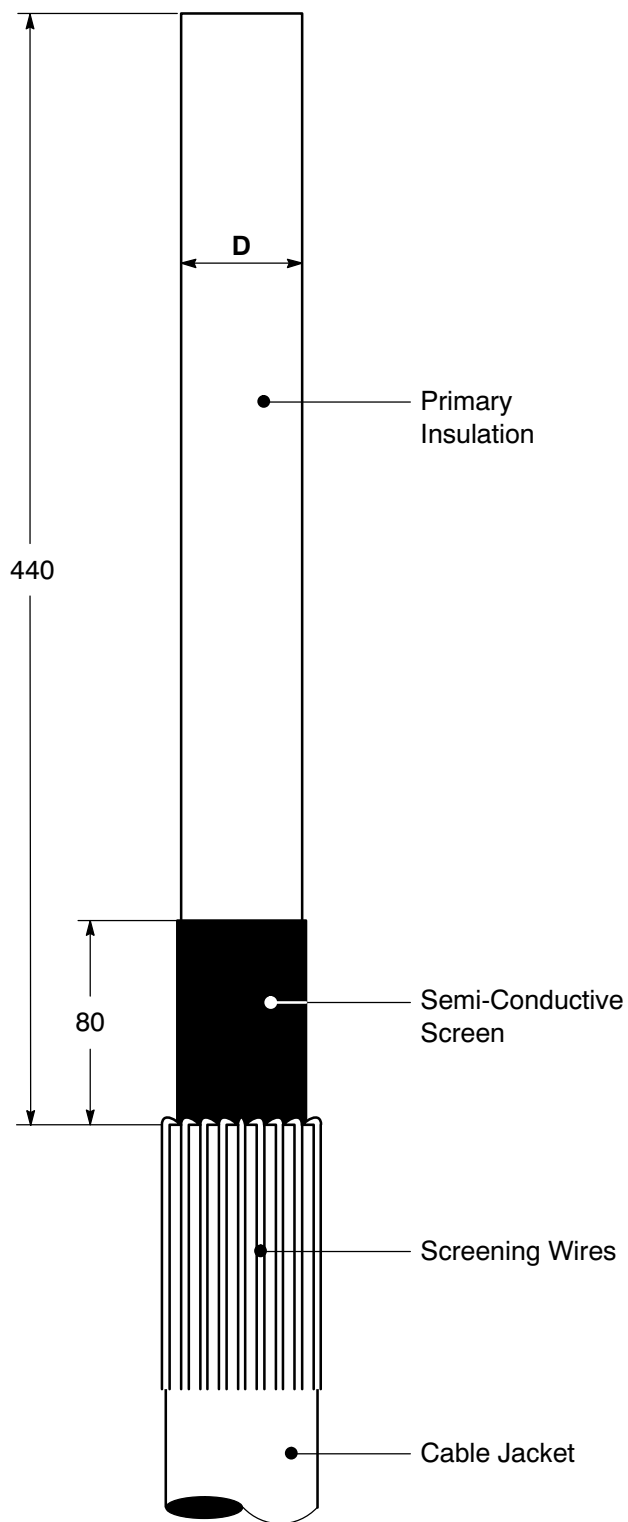


Fig. 1

- 1.1 Remove the cable jacket for 440 mm.
- 1.2 Remove any conductive coating of the cable jacket like graphite or extruded conductive layer for a length of 300 mm.
- 1.3 Bend the screening wires back over the cable jacket.
- 1.4 Remove the semi-conductive screen leaving 80 mm in front of the cable jacket.

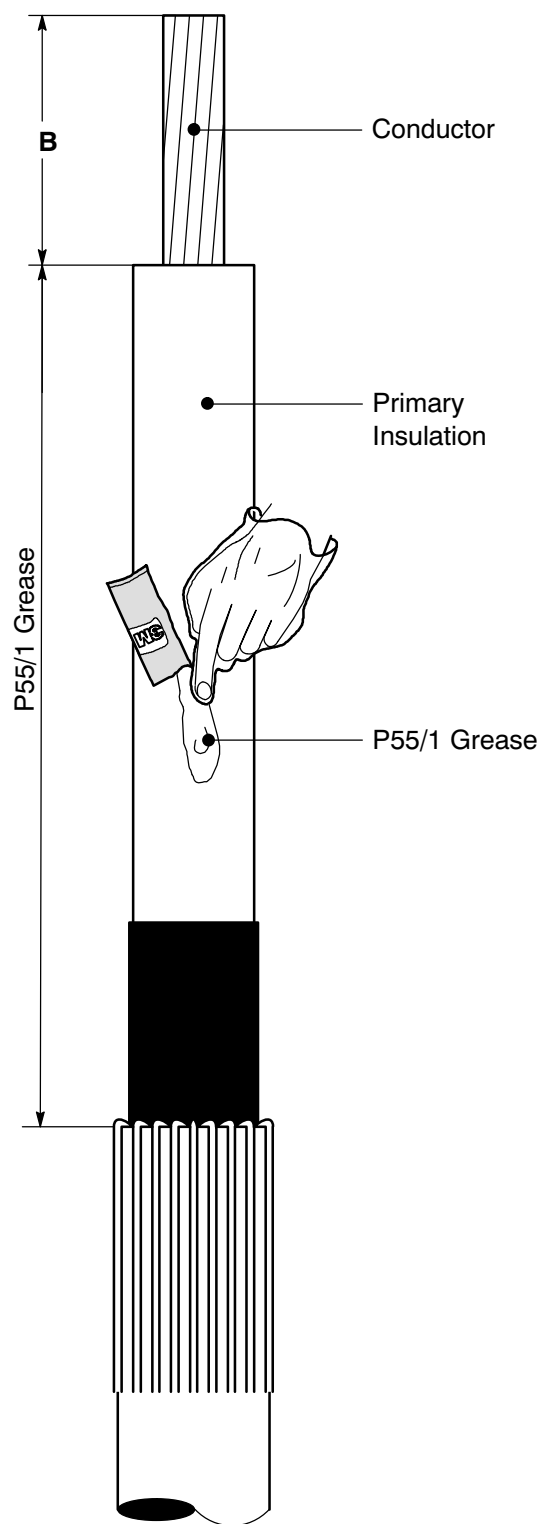


Fig. 2

- 2.1 Remove primary insulation acc. to dimension **B** mm.
B = supplier manufacturer's instruction.
- 2.2 Apply 1 tube P55/1 grease onto the semi-conductive screen and the insulation.

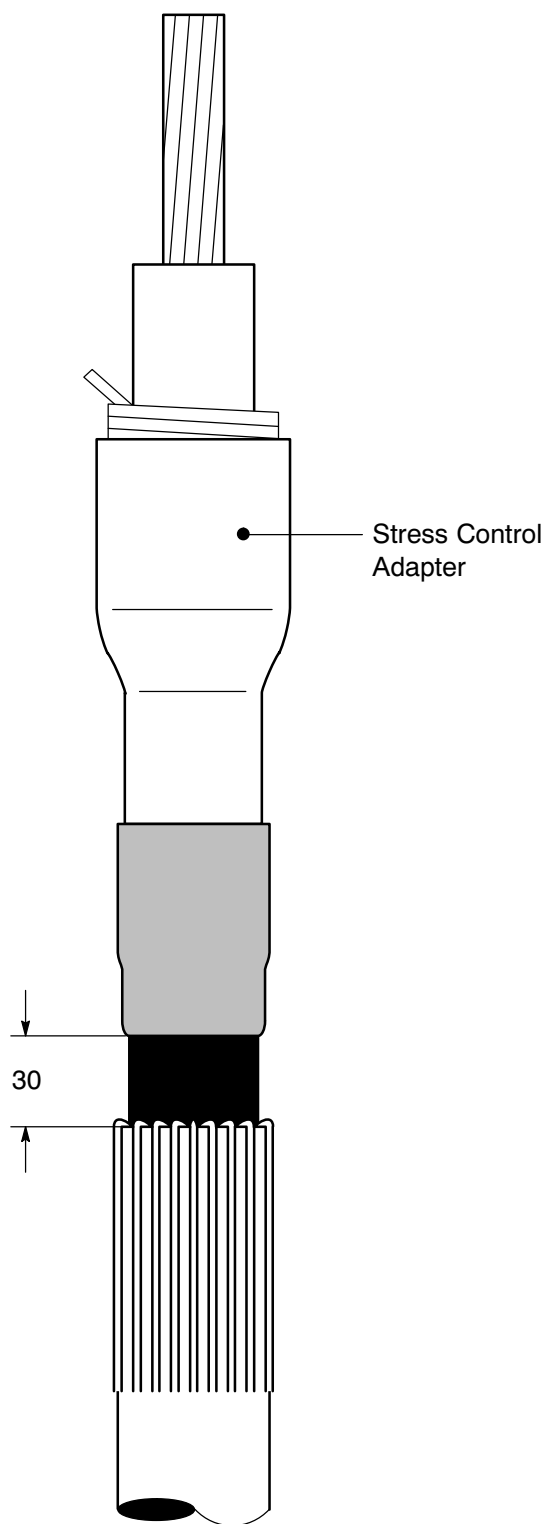


Fig. 3

- 3.1 Slide the Cold Shrink stress control adapter onto the cable with the loose core end towards the end of the cable.
- 3.2 Start shrinking the stress control adapter at 30 mm distance from the outer sheath.

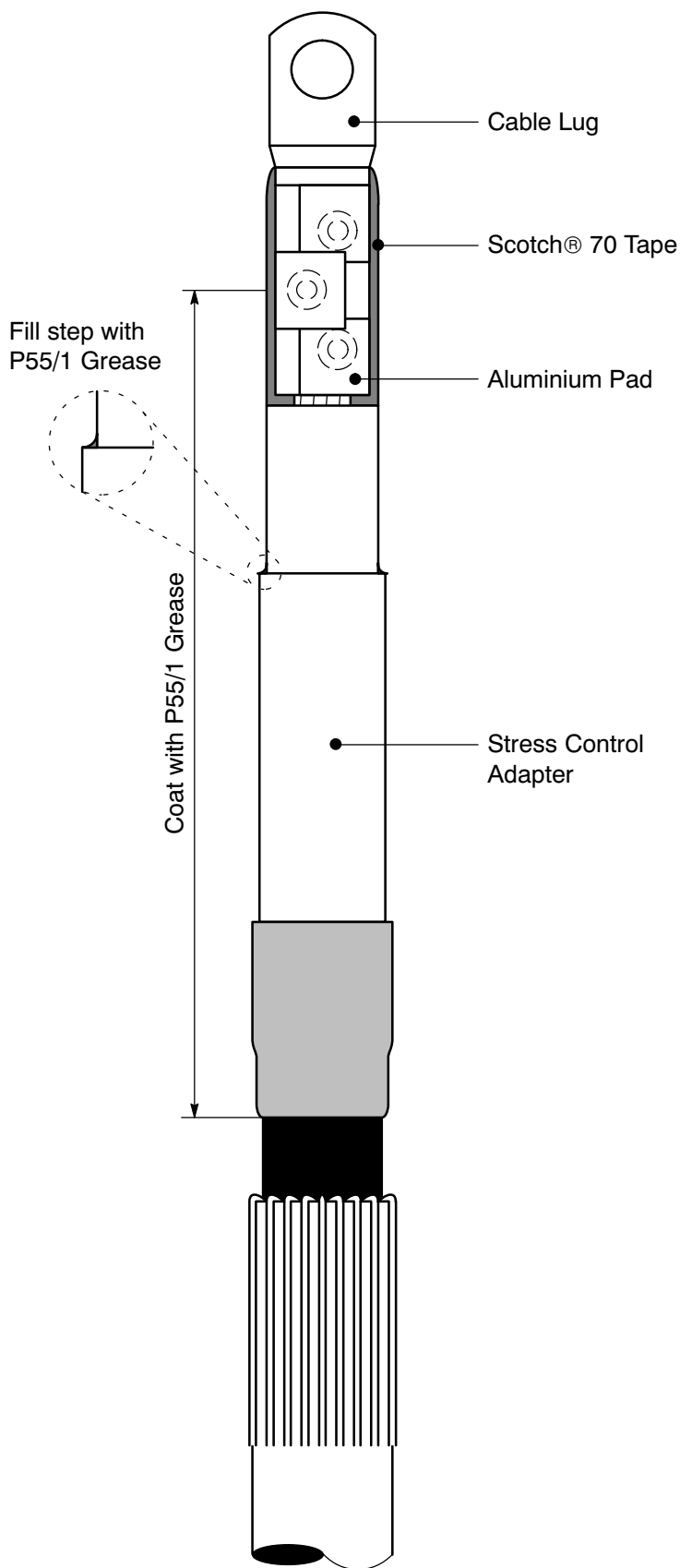


Fig. 4

- 4.1 Install the lug onto the conductor to manufacturer's instructions. Deburr, clean and smooth the lug.
- 4.2 Use the protection caps in case of mechanical connector, SICON Type.
- 4.3 Cover the protection caps/screws with aluminium pads. Apply pads wrinkle-free.
- 4.4 Wrap two layers of Scotch® 70 tape half overlapped and slightly stretched over the lug and fill the gap to the insulation.
- 4.5 Apply 2 tubes P55/1 grease to the exposed insulation and stress control adapter. Fill the top edge of the stress control tube with the P55/1 grease.

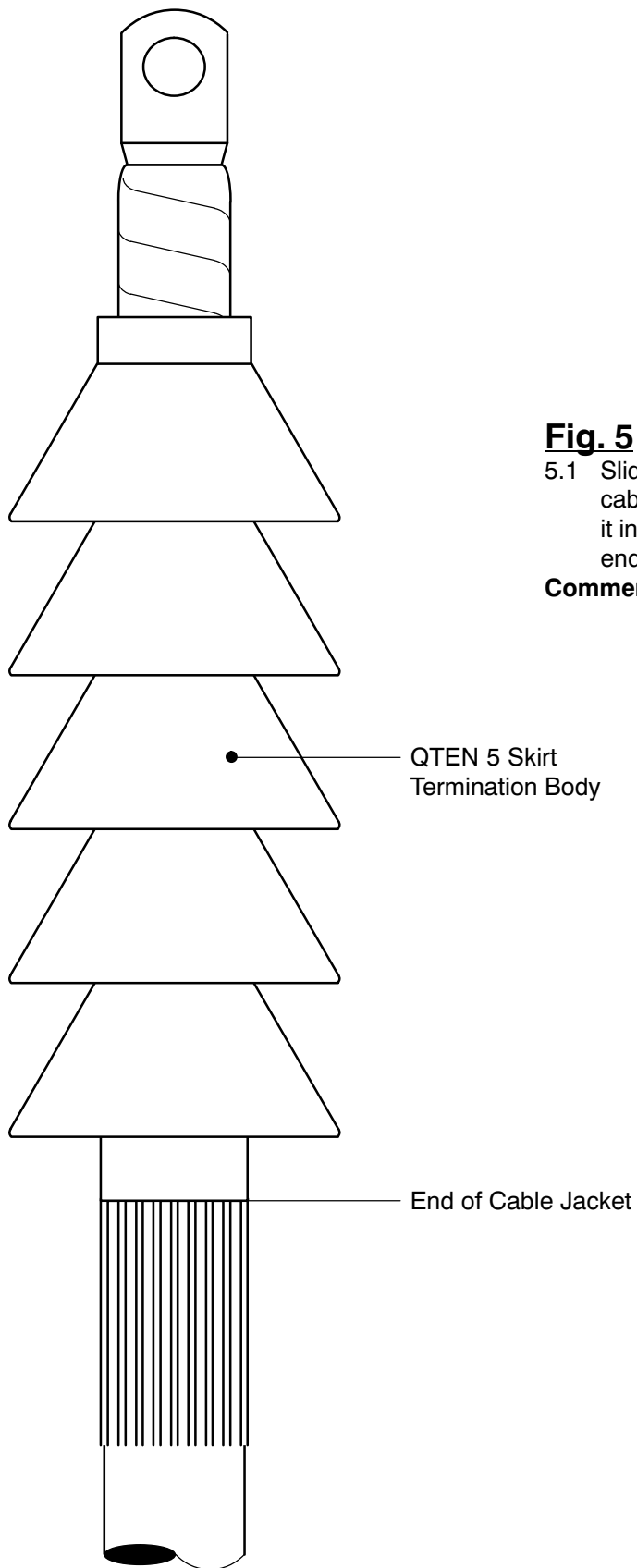


Fig. 5

5.1 Slide the QTEN 5-skirt termination body onto the cable. Remove the collapsible zip core by unwinding it in counter clockwise direction. Start to shrink at the end of the cable jacket.

Comment: Termination body will overlap the lug.

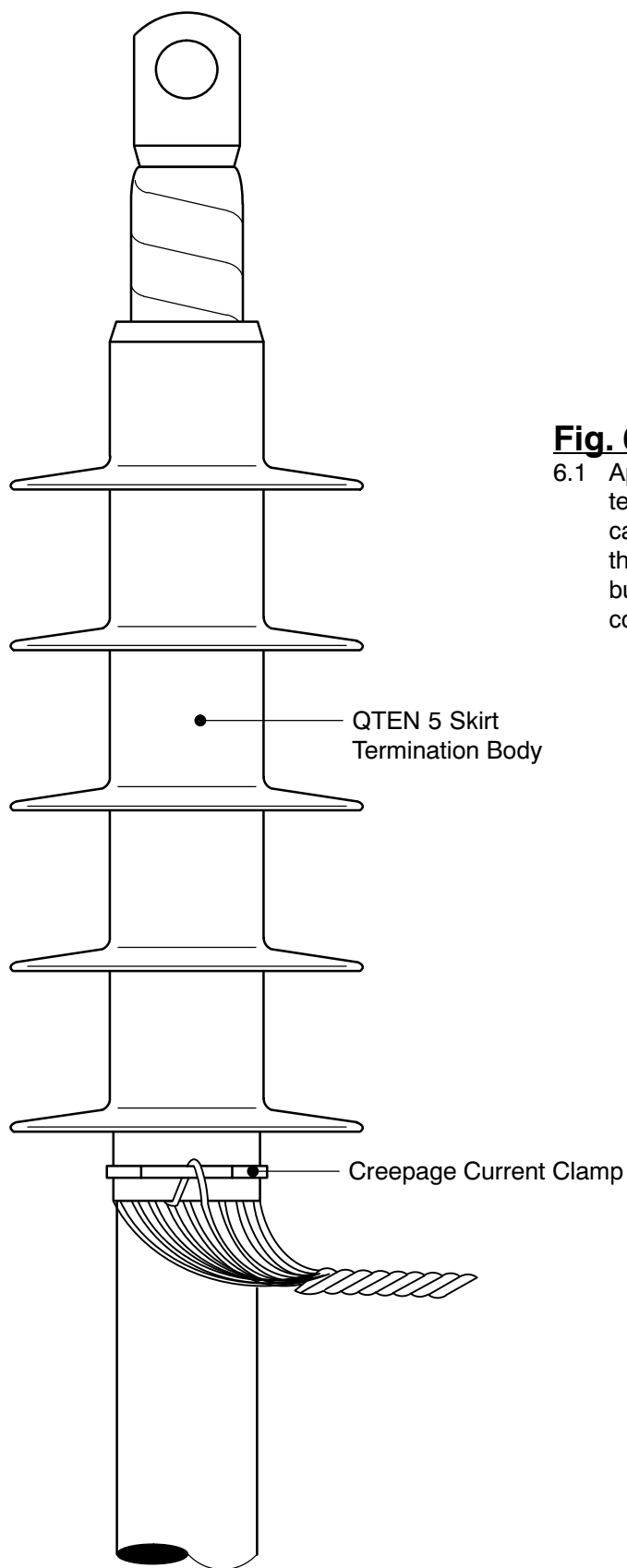


Fig. 6

6.1 Apply creepage current clamp at the bottom of the termination as shown. Take one copper wire of the cable screen and feed the screen wire underneath the clamp. Tighten the creepage current clamp and bundle the copper screen wires together for earthing connection.