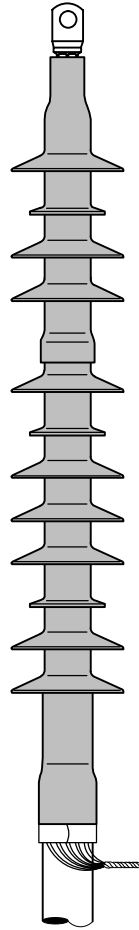


3M QT III



Kit No.	95-EP631-2
Conductor Cross Section (mm ²)	240 - 400
Diameter over Primary Insulation D (mm)	38.6 - 51.0
Diameter over Cable Sheath Max. (mm)	64

3M Deutschland GmbH

ISSUE:

5

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22.03.2006

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.

3M QT III

**MOLDED RUBBER TERMINATION
FOR OUTDOOR APPLICATION**

95-EP631-2

for single core plastic insulated copper wire
screened cables acc. to IEC 502-1

U₀/U=26/45 kV (U_m = 52 kV)

LANGUAGE: **English**

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3M ELECTRICAL PRODUCTS

XE-0091-2532-1

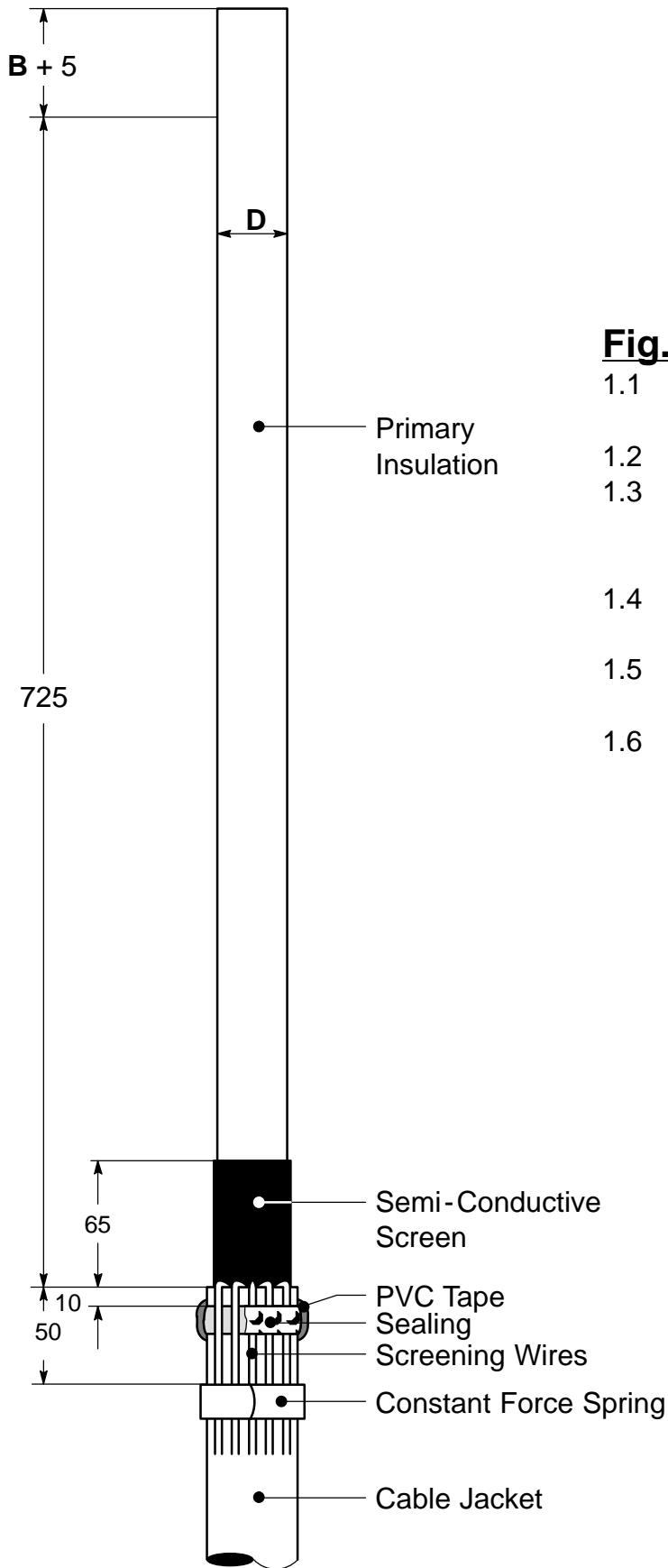


Fig. 1

- 1.1 Remove the cable jacket for 725 mm + **B** + 5mm.
- 1.2 Apply a seal over the cable jacket.
- 1.3 Bend the screening wires back over the sealing and fix them with a constant force spring.
- 1.4 Wrap a second seal over the screening wires and previously applied sealing.
- 1.5 Apply one half-lapped layer PVC-Tape to cover the sealing.
- 1.6 Remove the semi-conductive screen leaving 65 mm in front of the cable jacket.

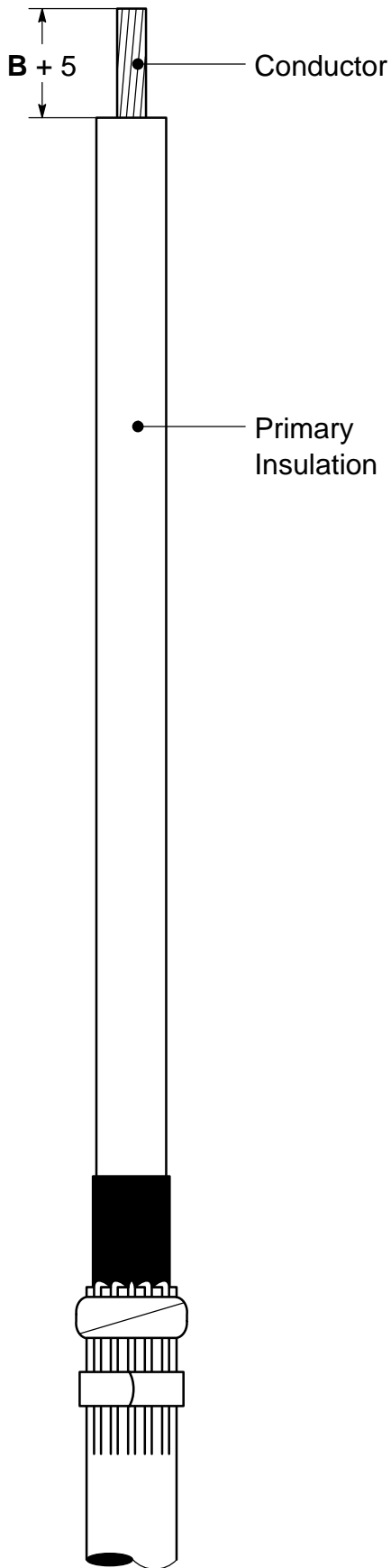


Fig. 2

2.1 Remove primary insulation acc. to dimension $B + 5$ mm.

B = Internal depth of lug barrel.

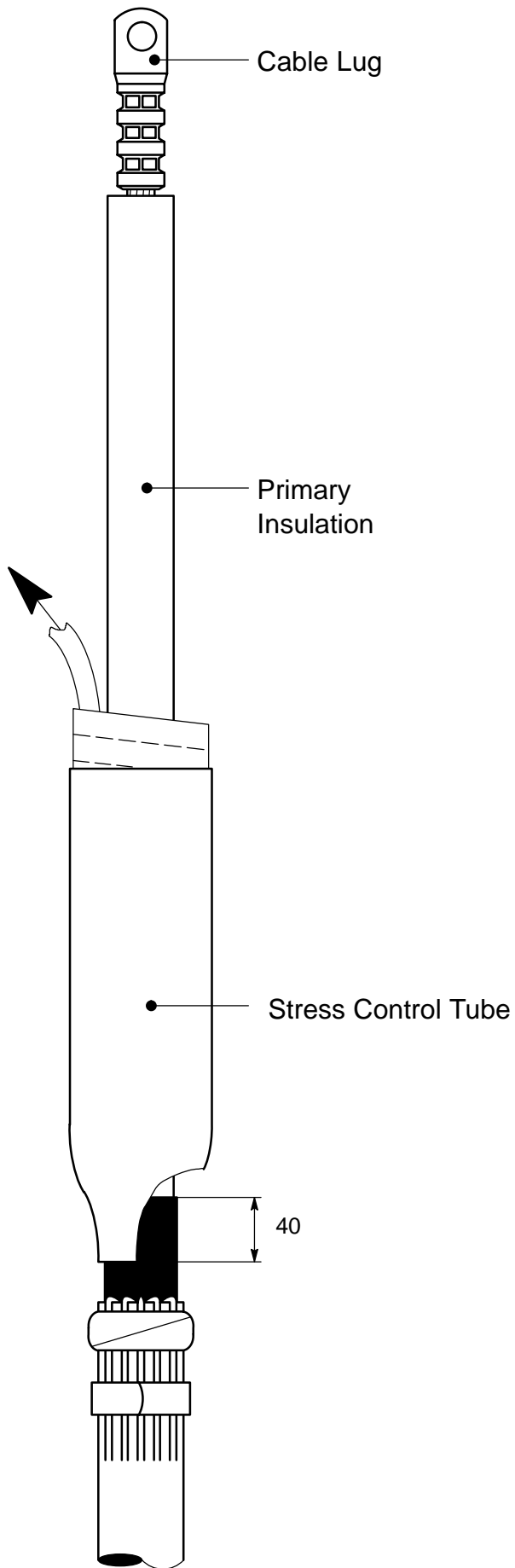


Fig. 3

- 3.1 Attach and press on the crimp lug. Round the edges and remove all the residues filling.
- 3.2 Slide the stress control tube onto the prepared cable. Remove the collapsible zip core by unwinding it in counter clockwise direction. Start to shrink on the semi-con. screen 40 mm from the edge of semi-con. screen.

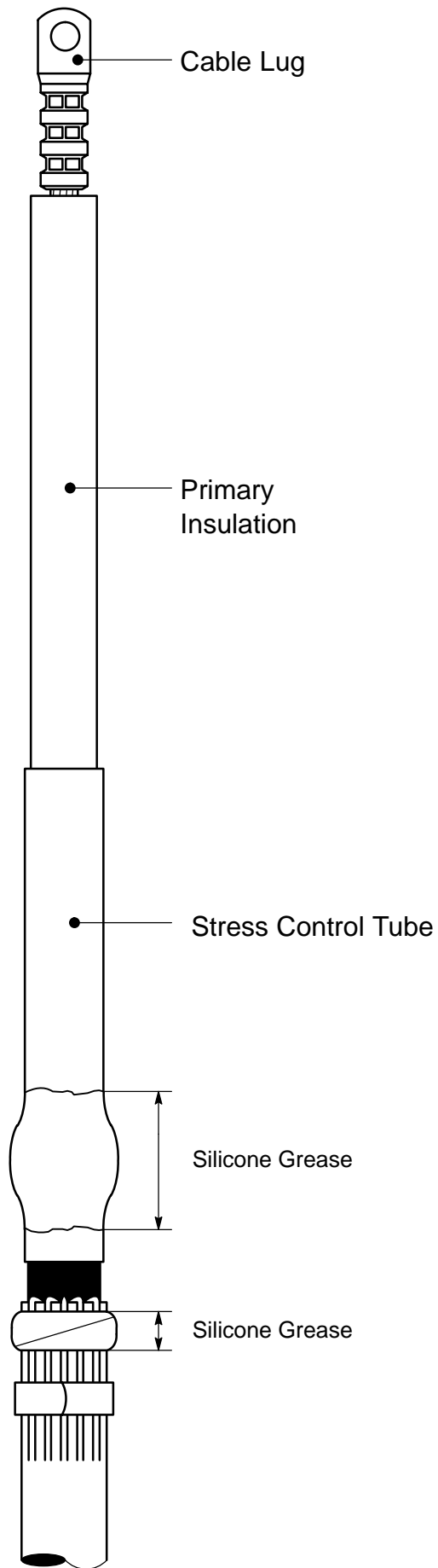


Fig. 4

4.1 For 400 mm² cables apply a light coating of silicone grease over the large diameter area of the stress control tube and over the PVC tape at the cable jacket. This will aid with the installation of the QT III body.

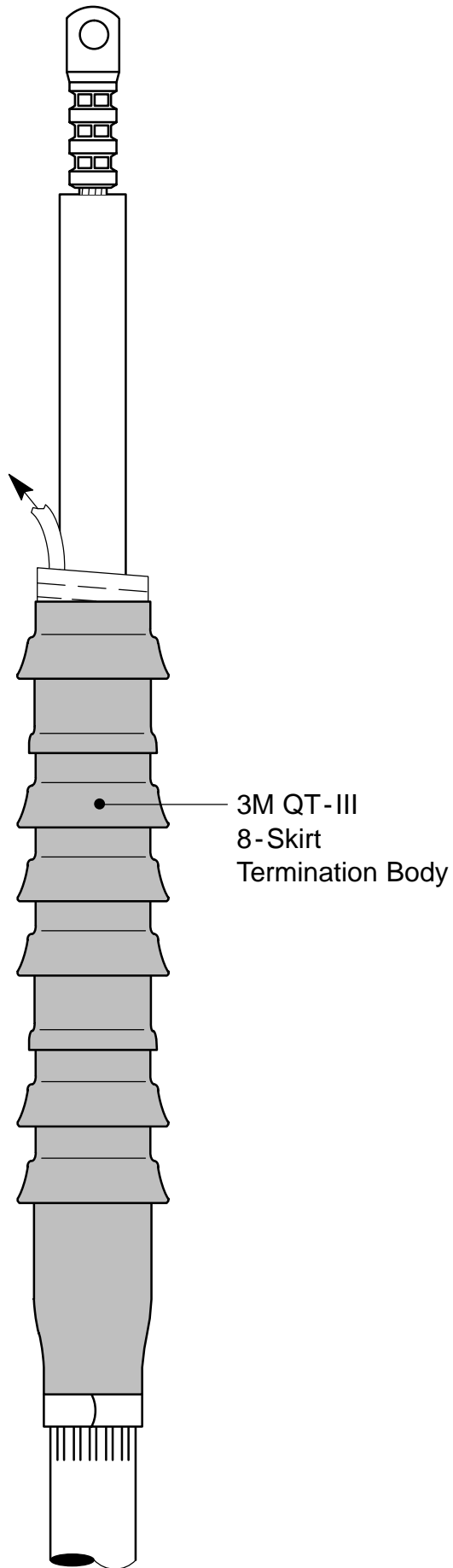


Fig. 5

- 5.1 Slide the QT-III 8-skirt termination body onto the cable. Remove the collapsible zip core by unwinding it in counter clockwise direction. Start to shrink at the constant force spring.

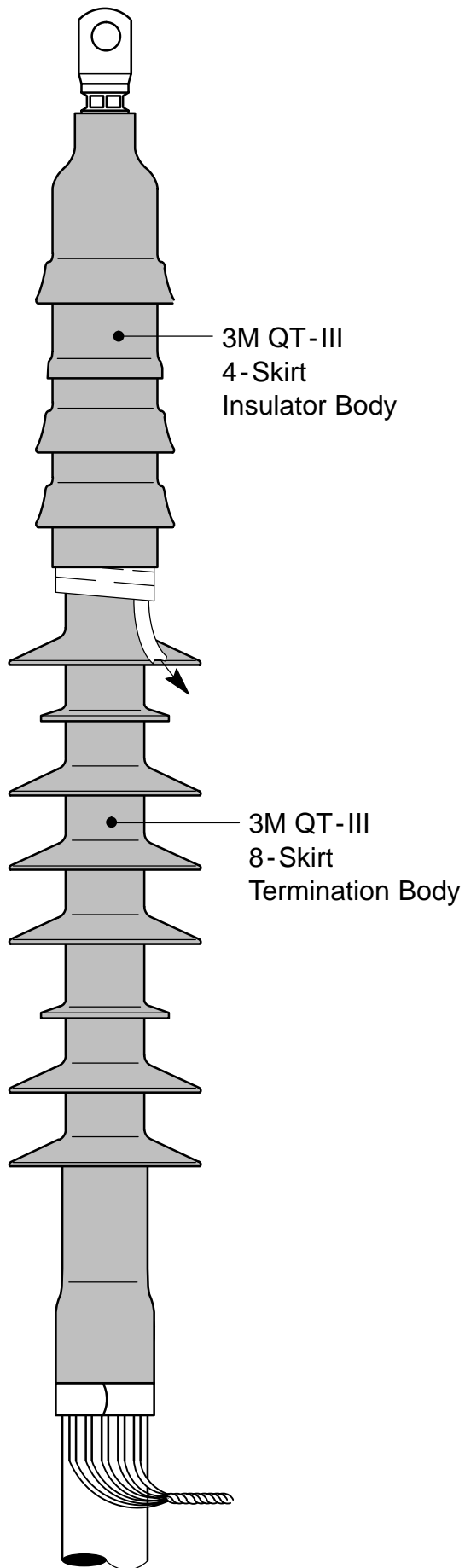


Fig. 6

6.1 Slide the QT-III 4-skirt insulator body with pull tap downwards onto the cable. Start to shrink from lug onto the 8-skirt termination body.