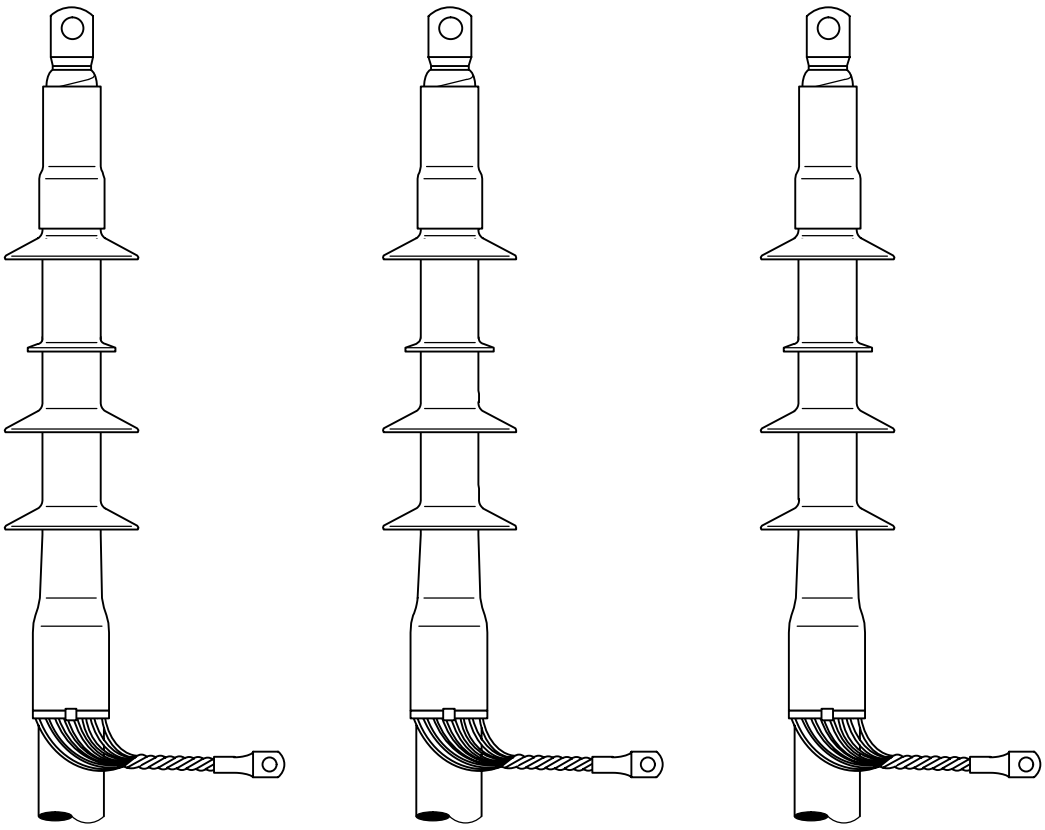
3M QT II



Selection Table 6/10 kV; 8.7/15 kV and 12/20 kV	
Kit No.	93–EB65–1
Product No.	5644
Conductor Cross Section (mm^2) 6/10 kV	500 – 1000
Conductor Cross Section (mm^2) 8.7/15 kV	400 – 1000
Conductor Cross Section (mm^2) 12/20 kV	400 – 1000
Diameter over Primary Insulation **D** (mm)	33.0 – 53.3
Diameter over Cable Jacket **K** (mm)	41.0 – 65.0
Diameter of Termination **E** (mm)	90

3M Laboratories (Europe)
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3M QT II

MOLDED RUBBER TERMINATION FOR 10 kV and 15 kV OUTDOOR and 20 kV INDOOR APPLICATION

93–EB65–1

for single core polymeric insulated copper wire screened cables acc to IEC 60502 6/10 (12) kV; 8.7/15 (17.5) kV and 12/20 (24) kV

3M ELECTRICAL PRODUCTS

XE 0091–2390–4

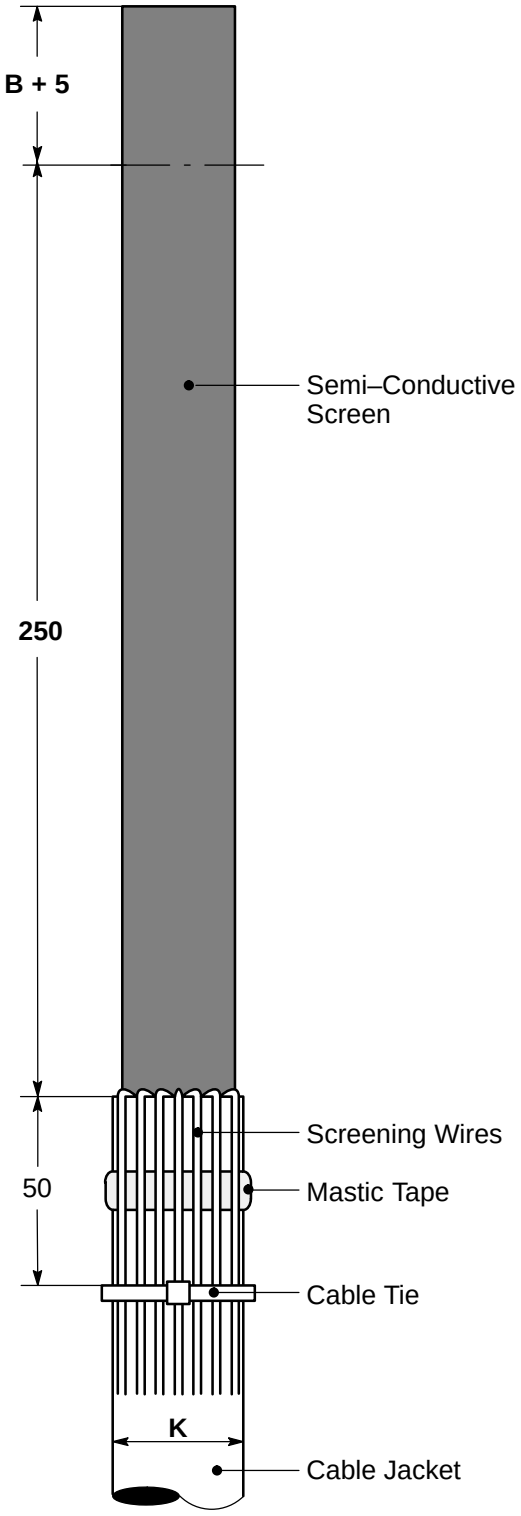

Fig. 1

1.1 Remove the cable jacket according to length **250 + B + 5** mm.
B = Internal depth of lug barrel.
1.2 Apply a seal over the cable jacket.
1.3 Bend the screening wires back over the seal and the cable jacket and fix them with a cable tie.

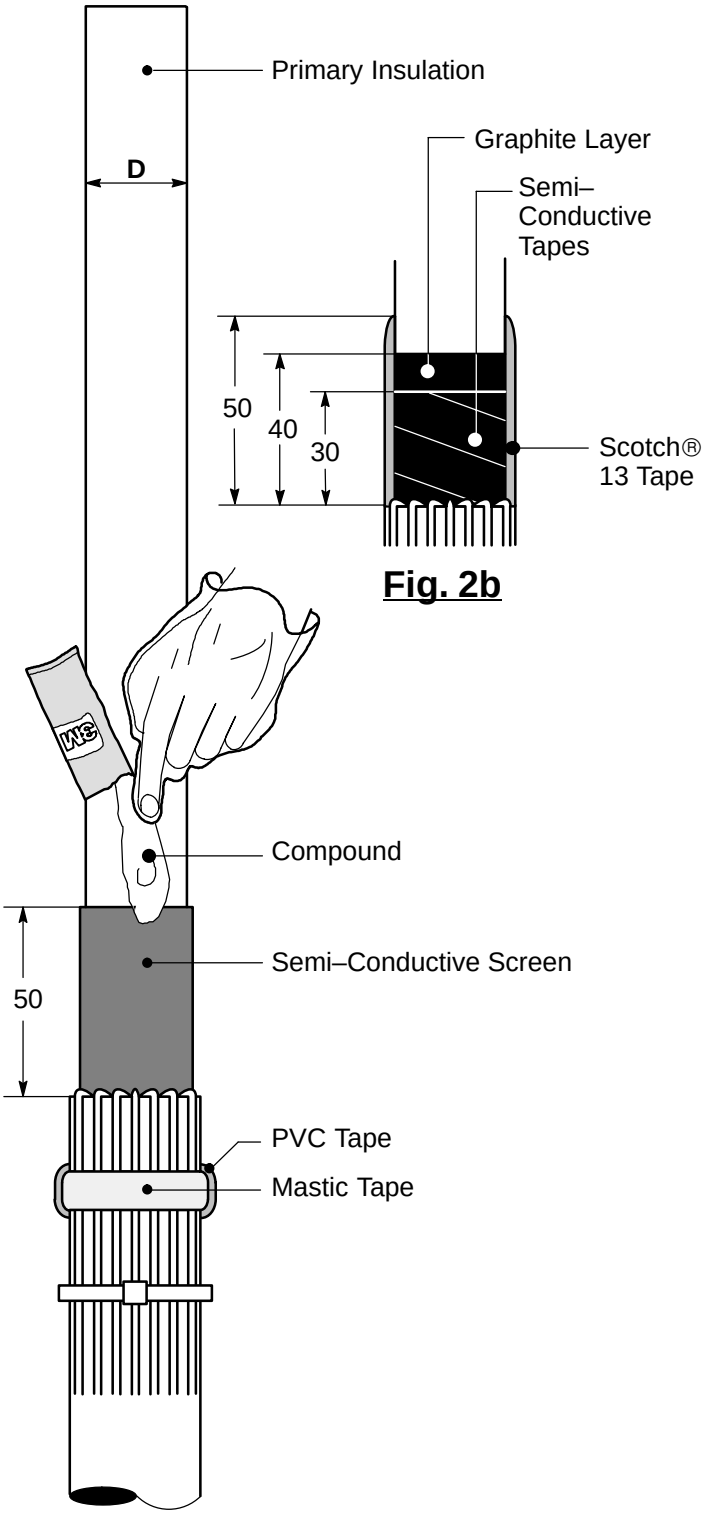

Fig. 2b

Fig. 2a

2.1 Apply a second seal over the copper wires.
2.2 Cover the seal with 2 layers of PVC tape.
2.3 Remove the semi–con outer cable screen:
Fig. 2a
Cable with non–peelable extruded semi–con screen: Leave 50 mm in front of the cable jacket.
Fig. 2b
Cable with graphite layer and semi–con tapes: Leave the semi–con tapes 30 mm in front of the cable jacket. Leave the graphite layer 40 mm in front of the cable jacket. Wrap one half–lapped layer of Scotch® 13 tape, starting on the semi–con tapes onto the insulation and back again.
2.4 Apply the compound at the end of the semi–con screen and 40 mm of the primary insulation.

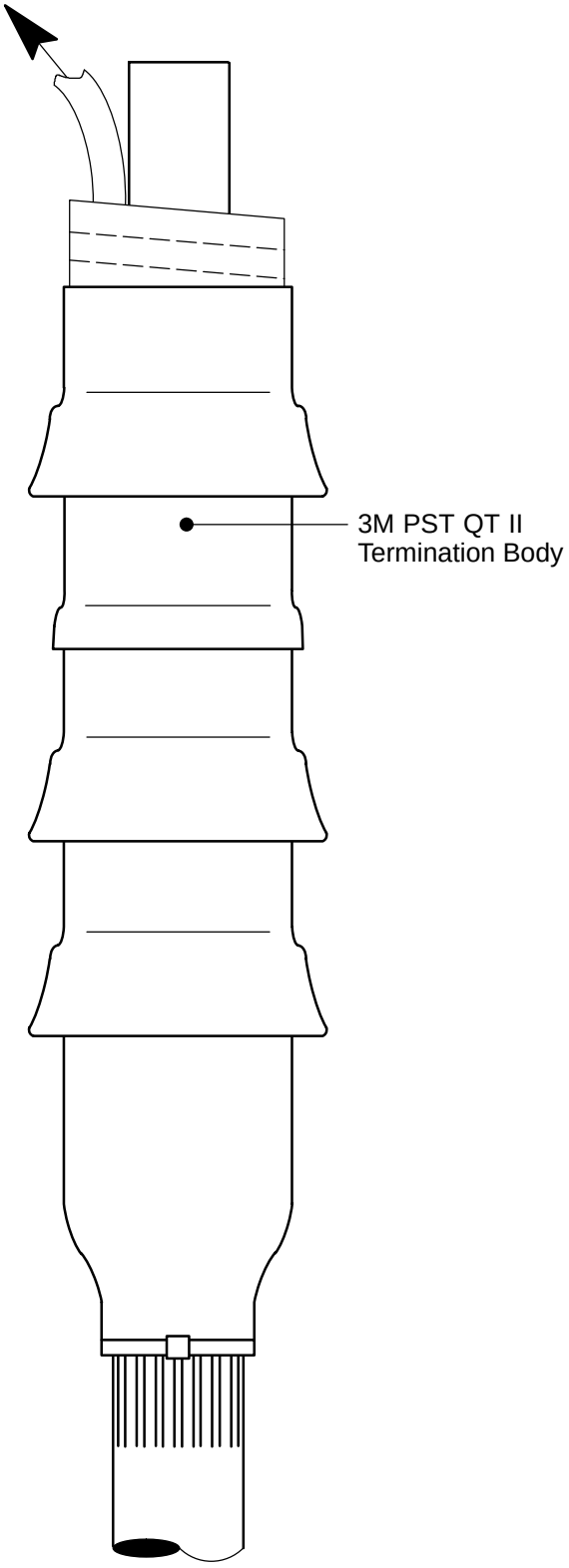

Fig. 3

3.1 Slide the QT II termination body into position. Remove the collapsible zip core by unwinding it in counter clockwise direction. Start to shrink at the cable tie.

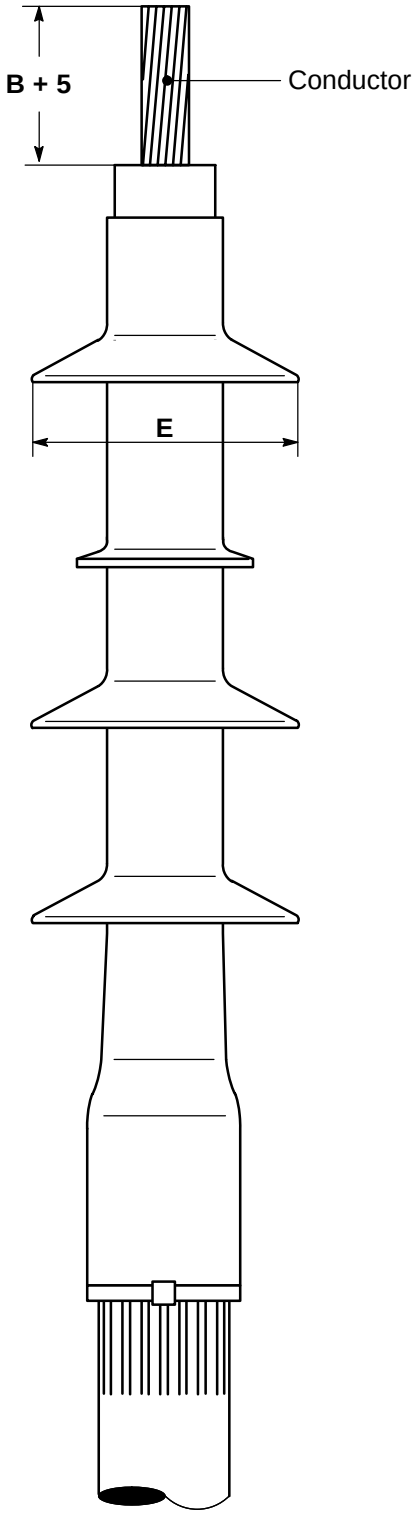

Fig. 4

4.1 Remove the primary insulation acc to dimension **B + 5** mm.

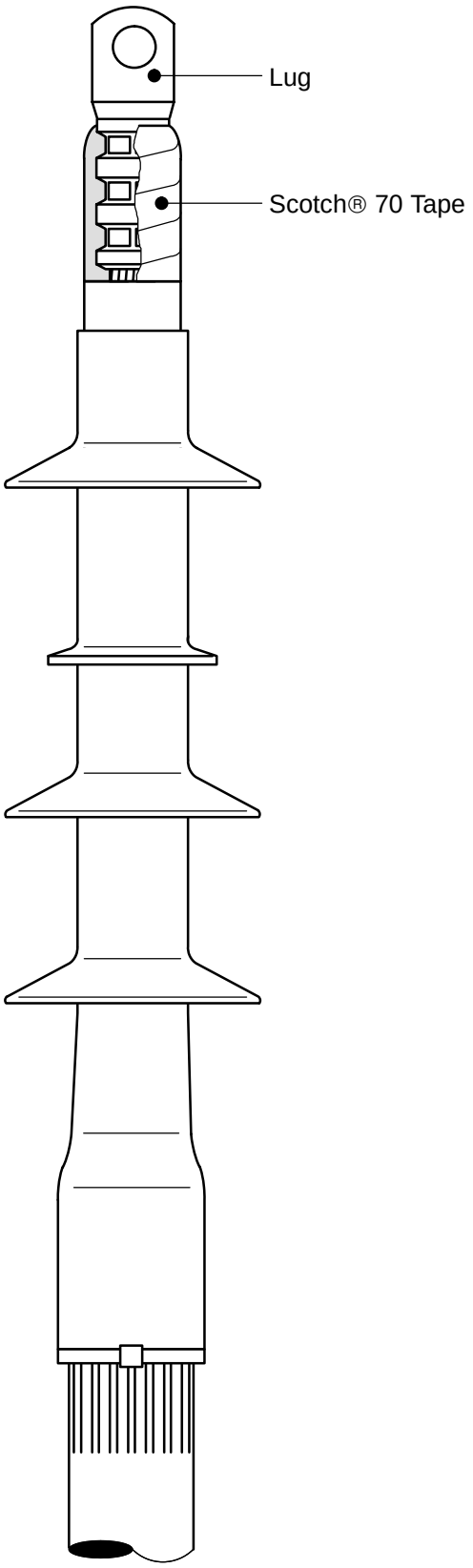

Fig. 5

5.1 Attach and press on the crimp lug. Round the edges and remove all the residues of the filling. Thoroughly clean the lug.

5.2 Fill the gap between cable lug and primary insulation with Scotch® 70 tape. Wrap Scotch® 70 tape onto the lug.

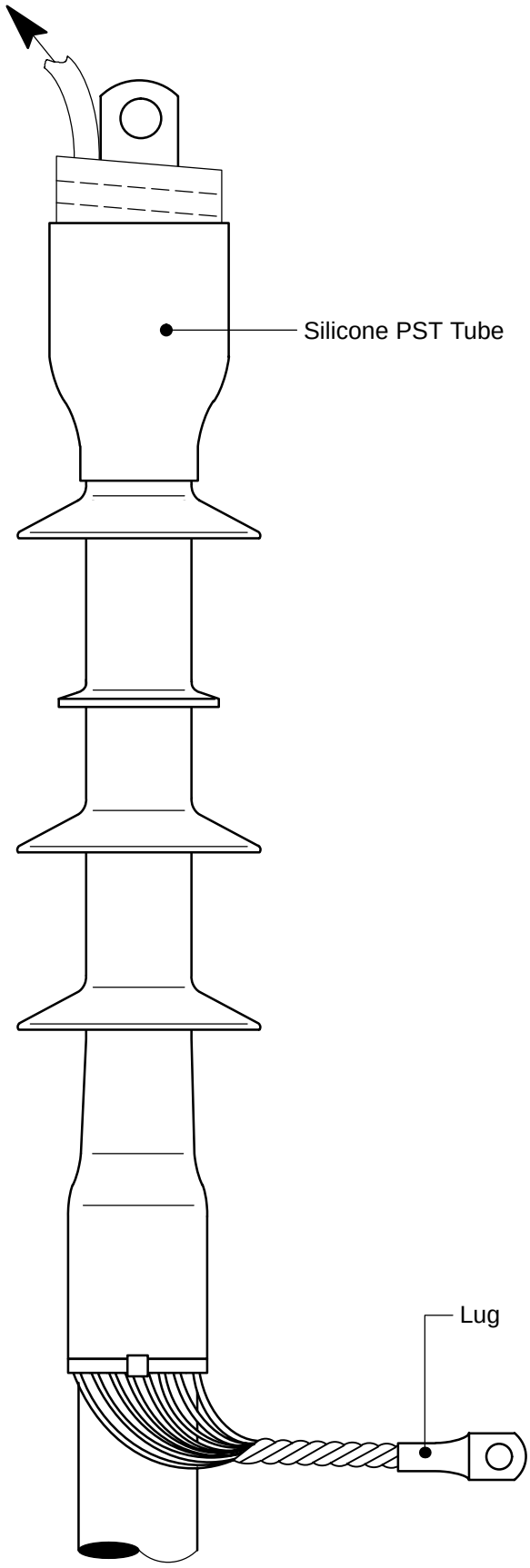

Fig. 6

6.1 Slide the silicone PST tube over the termination body with the loose end upwards. Start to shrink 30 mm on the termination body.

6.2 Twist the screening wires and attach a lug.