

Fig. 5

5.1 Slide the QT II termination body into position. Remove the collapsible zip core by unwinding it in counter clockwise direction. Start to shrink 15 mm on the finger of the PST-cable seal.

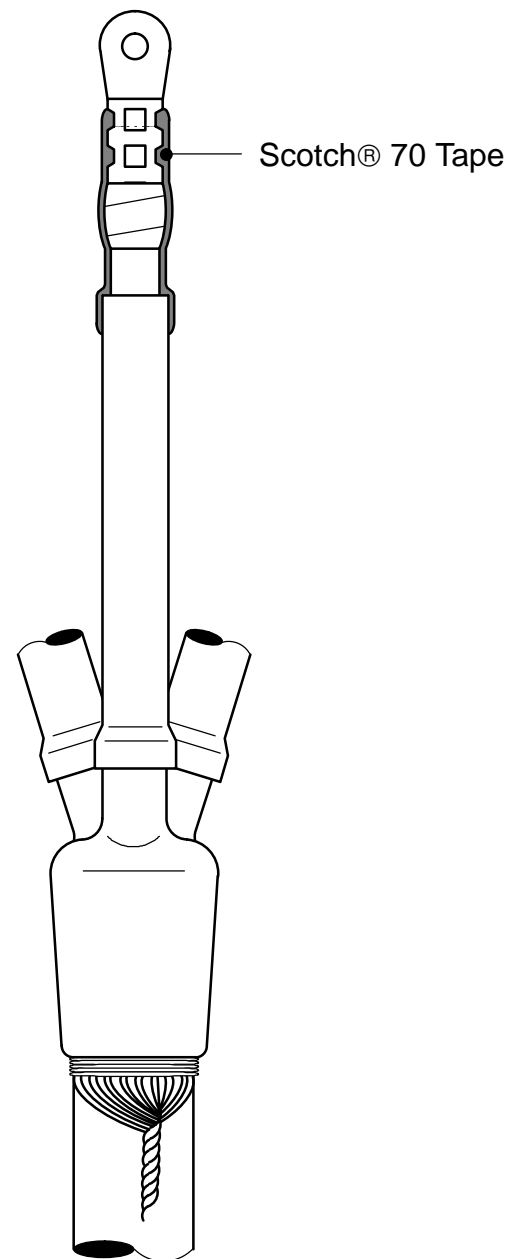
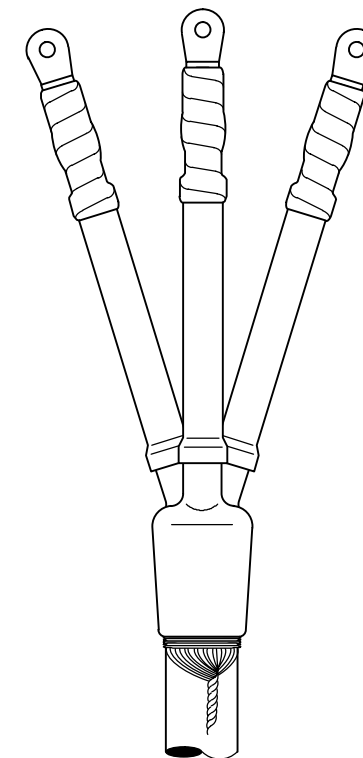


Fig. 6

6.1 Overwrap the lug with four half-lapped layers of Scotch® 70 tape and extend the wrapping onto the termination. Apply Scotch® 70 tape slightly stretched.

3M QT II



Selection Table

Kit No.	92-EB61-3	92-EB62-3	92-EB63-3	92-EB64-3
Conductor Cross Section (mm ²) 6/10 kV	35 – 70	70 – 95	120 – 150	185 – 300
Conductor Cross Section (mm ²) 8.7/15 kV	25 – 50	50 – 70	95 – 120	150 – 240
Diameter over Primary Insulation D (mm)	14.2 – 22.1	16.5 – 22.1	19.8 – 33.0	22.0 – 33.0
Removal Dimension A (mm)	280	280	280	295
Distance Sealing G (mm)	30	40	40	80
Distance Binding H (mm)	80	90	90	130

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3M QT II
MOLDED RUBBER TERMINATION
FOR INDOOR APPLICATION
92-EB61-3 up to 92-EB64-3
for 3-core polymeric insulated copper wire
screened cables acc. to VDE 0273 (IEC 502-1)
6/10 kV (12 kV) and 8.7/15 kV (17.5 kV)

3M ELECTRICAL PRODUCTS

XE 0091-1893-8

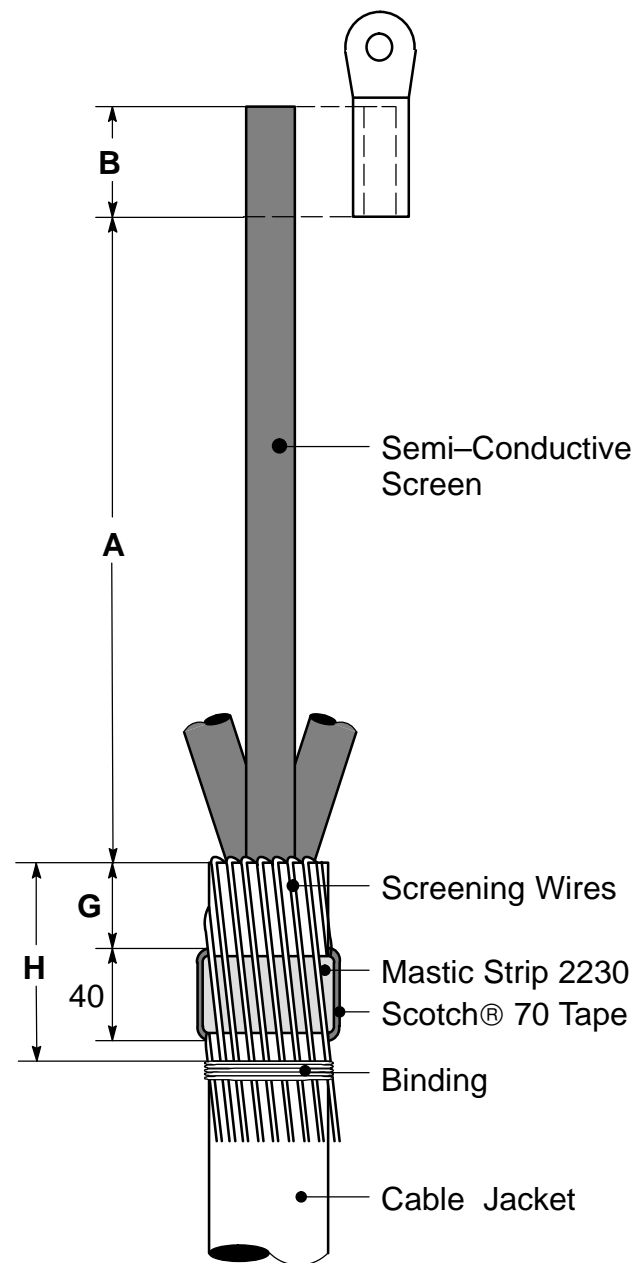


Fig. 1

- 1.1 Remove the cable jacket acc. to **A + B**.
A = See Table.
B = Internal depth of the cable lug.
- 1.2 Clean the cable jacket for 200 mm.
- 1.3 Apply the Mastic strips 2230 tape onto the cable jacket acc. to the given dimension.
- 1.4 Bend the screening wires back onto the cable jacket and fix them with a binding acc. to given dimension.
- 1.5 Apply two layers of Scotch® 70 tape onto the Mastic strips 2230. Apply Scotch® 70 tape slightly stretched.

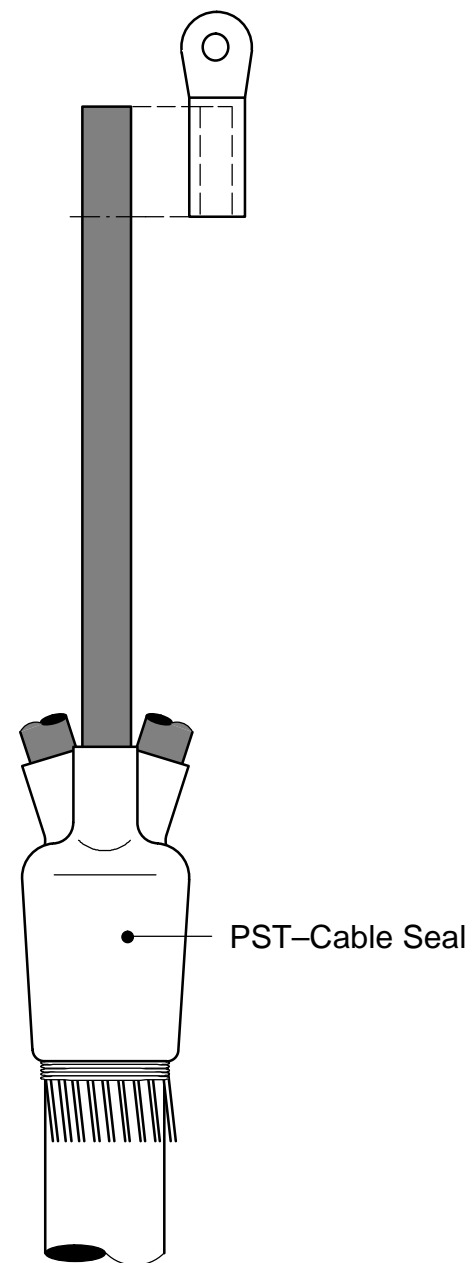


Fig. 2

- 2.1 Unwind a few turns at the small cores. Do not remove too far such that the fingers begin to collapse.
- 2.2 Slide the cable seal into position.
- 2.3 Remove the large core and shrink the cable seal onto the cable jacket.
- 2.4 Remove the core from each of the fingers.

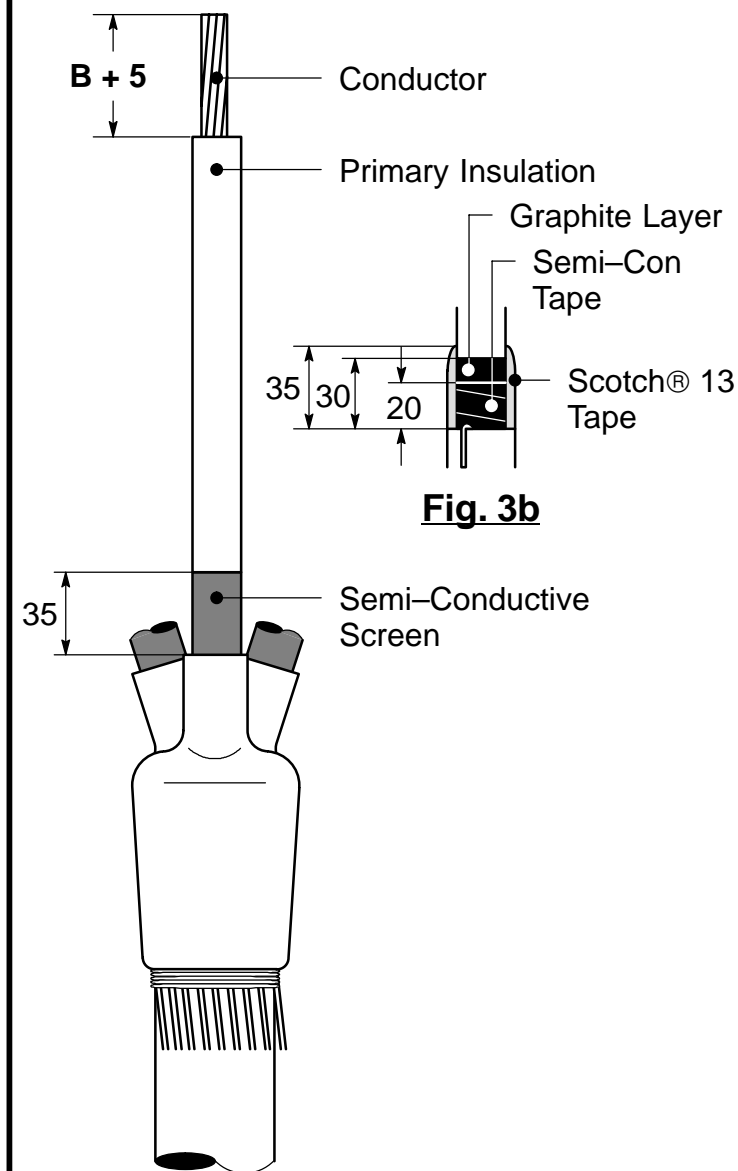


Fig. 3a

- 3.1 Remove the outer semi-conductive screen acc. to given dimensions:
Fig. 3a
Cable with peelable semi-con screen:
 Remove the outer semi-conductive screen leaving 35 mm in front of PST-cable seal.
Fig. 3b
Cable with graphite layer and semi-con tapes:
 Leave the semi-con tapes 20 mm in front of the PST-cable seal.
 Leave the graphite layer 30 mm in front of the PST-cable seal.
 Wrap one half-lapped layer of Scotch® 13 tape, starting on the semi-con tapes onto the insulation and back again.
- 3.2 Remove the primary insulation acc. to dimension **B + 5** mm.

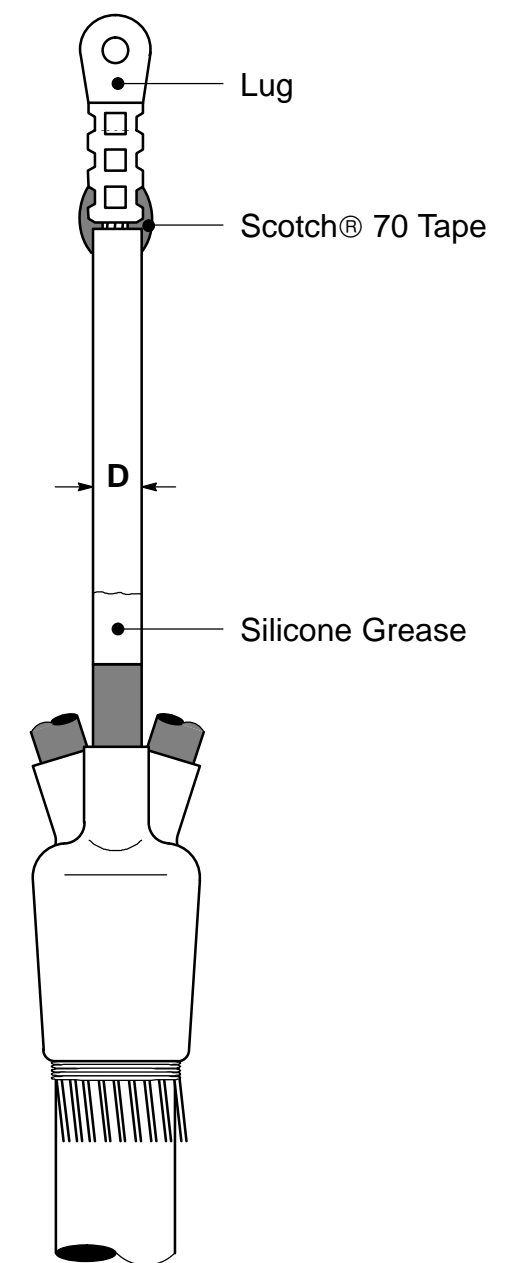


Fig. 4

- 4.1 Attach and crimp on the lug. Round the edges. Remove all residue fillings and thoroughly clean the lug.
- 4.2 Fill the area between lug and primary insulation with Scotch® 70 tape overlapping both primary insulation and lug by 10 mm. Apply Scotch® 70 tape slightly stretched.
- 4.3 Apply silicone grease at the end of the semi-conductive material.