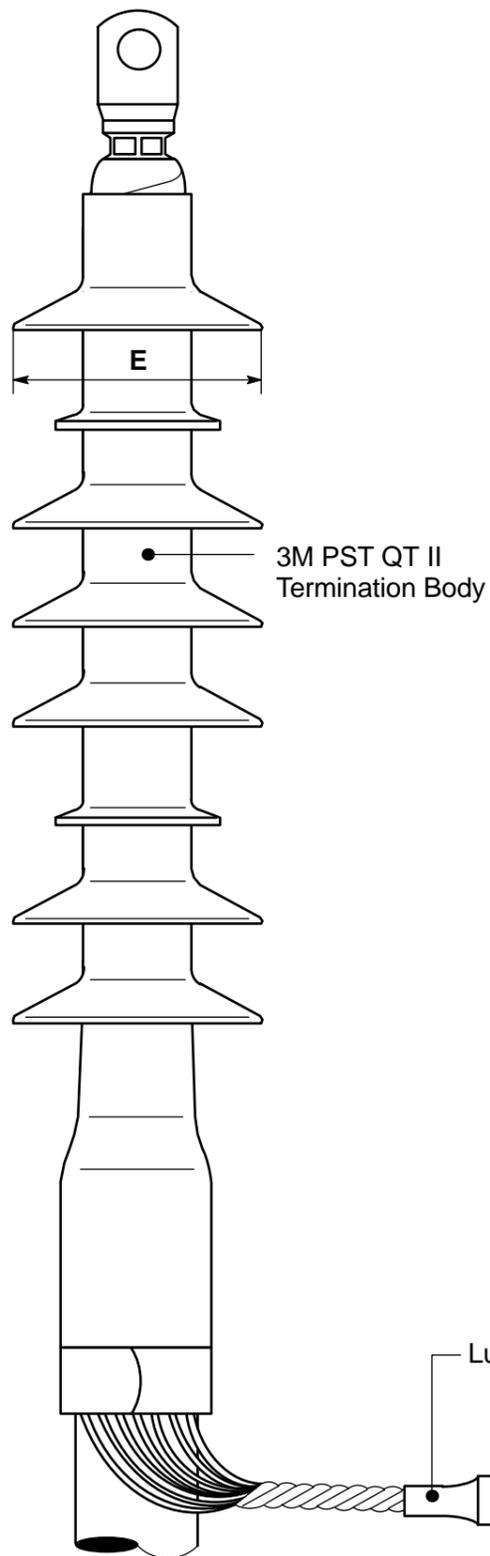
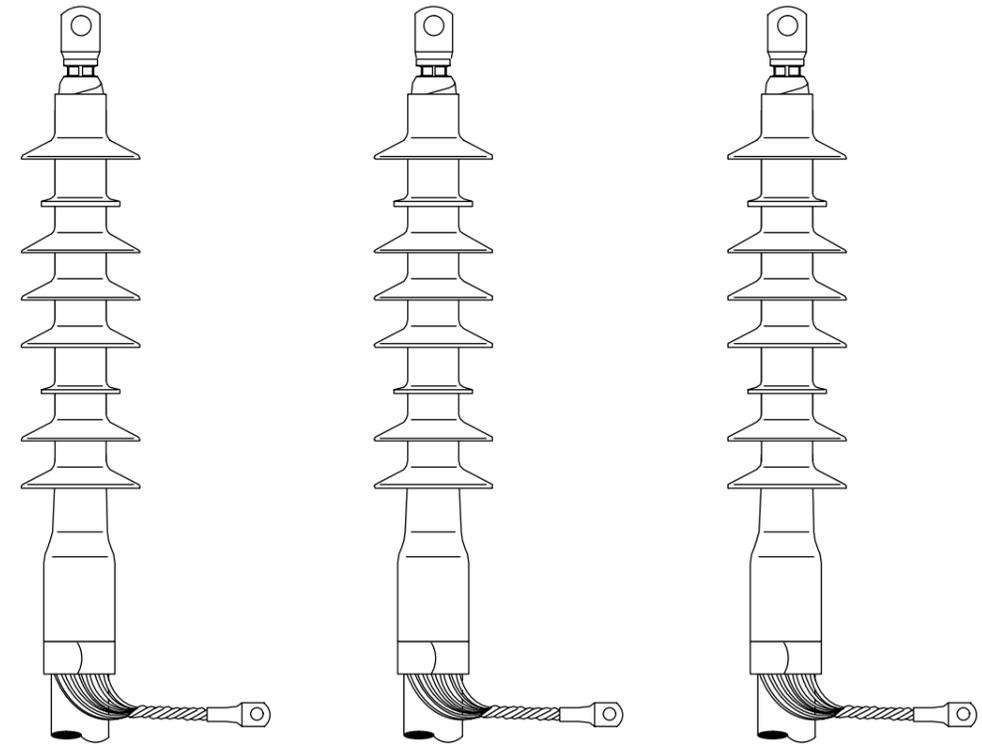


**Fig. 5**  
5.1 Slide the QT II termination body into position. Remove the collapsible zip core by unwinding it in counter clockwise direction. Start to shrink at the constant force spring.



**Fig. 6**  
6.1 Twist the screening wires and attach a lug.

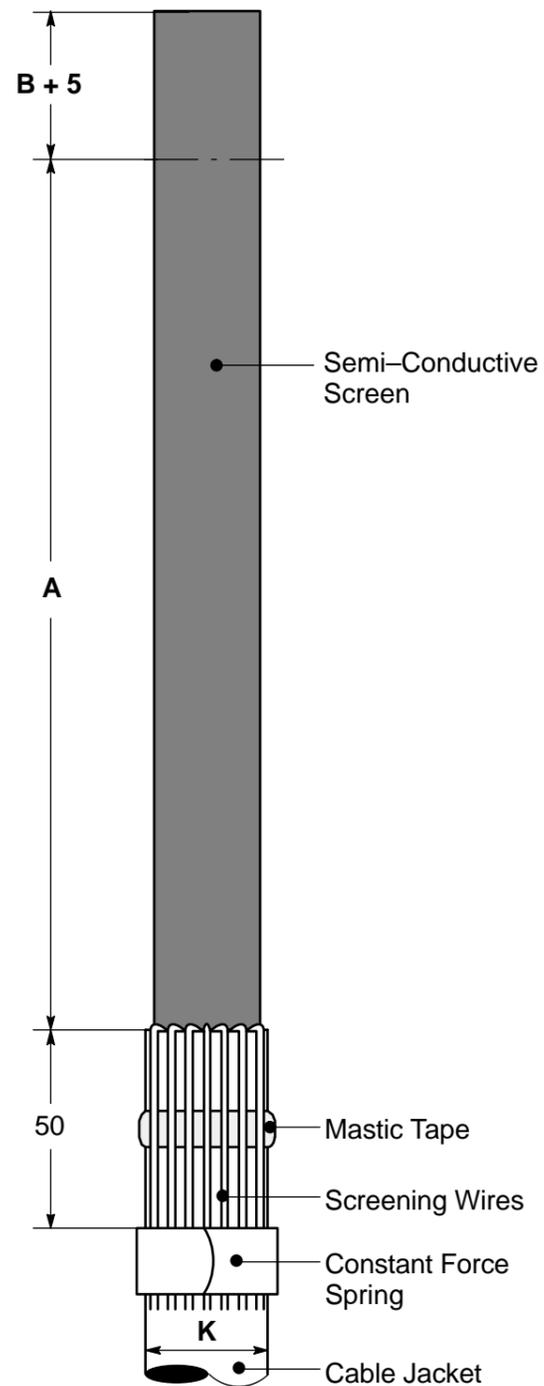
# 3M QT II



**Selection Table**

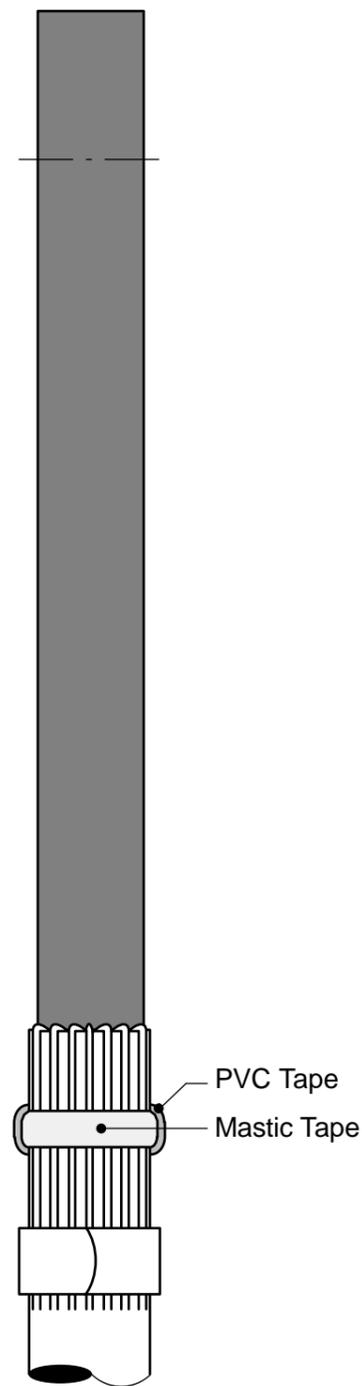
Kit No.	94-EB62-2	94-EB63-2	94-EB64-2
Product No.	5646	5647	5648
Conductor Cross Section (mm <sup>2</sup> )	50 – 150	120 – 240	240 – 630
Diameter over Primary Insulation D (mm)	21,3 – 35,0	27,0 – 45,7	33,3 – 53,3
Diameter over Cable Jacket K (mm)	30,0 – 44,0	34,0 – 52,0	41,0 – 65,0
Removal Dimension A (mm)			
Al-Conductor	380	410	400
Cu-Conductor	400	430	420
Diameter of Termination E (mm)	70	82	90

3M Laboratories (Europe) Branch of 3M Deutschland GmbH		ISSUE: 1	ISSUE DATE: 06.08.1999		
ALL STATEMENTS, TECHNICAL INFORMATION AND RECOMMENDATIONS CONTAINED HEREIN ARE BASED ON TESTS WE BELIEVE TO BE RELIABLE HOWEVER, SINCE THE CONDITION OF USE AND THE APPLICATION ARE BEYOND OUR CONTROL THE PURCHASER IS RESPONSIBLE FOR THE PERFORMANCE OF THE SPLICES AND TERMINATIONS MADE IN CONNECTION WITH THE USE OF DATA OR SUGGESTIONS HEREIN.		<b>3M QT II</b> <b>MOLDED RUBBER TERMINATION</b> <b>FOR OUTDOOR APPLICATION</b> <b>94-EB62-2 up to 94-EB64-2</b> for single core polymeric insulated copper wire screened cables acc. to IEC 502-1 18/30 kV			
		<b>ID-0256-1878-9</b>			
		DES. ENG.: A. Belhous	1. ISSUE DATE: 06.08.99		
		MOD. ENG.:	1. CHANGE DATE:		
		DRAWN: R. Wessel	2. CHANGE DATE:		
CHECKED: D. Hellbusch	3. CHANGE DATE:				
RELEASED: V. Heyna	4. CHANGE DATE:				
<b>3M ELECTRICAL PRODUCTS</b>		<b>XE 0091-1878-9</b>			



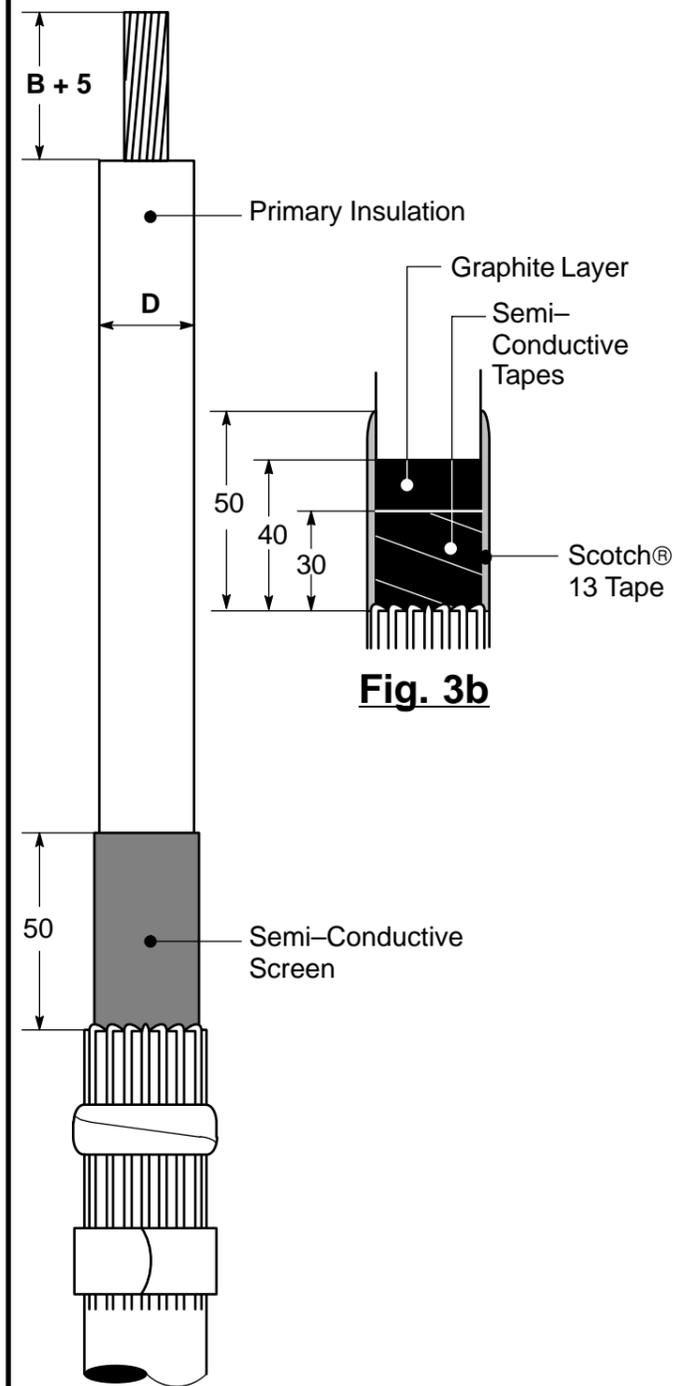
**Fig. 1**

- 1.1 Remove the cable jacket according to length  $A + B + 5$  mm.  
 $A$  = See table below.  
 $B$  = 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 the constant force spring.



**Fig. 2**

- 2.1 Apply a second seal of mastic over the screening wires.
- 2.2 Cover the seal with two layers of PVC tape.

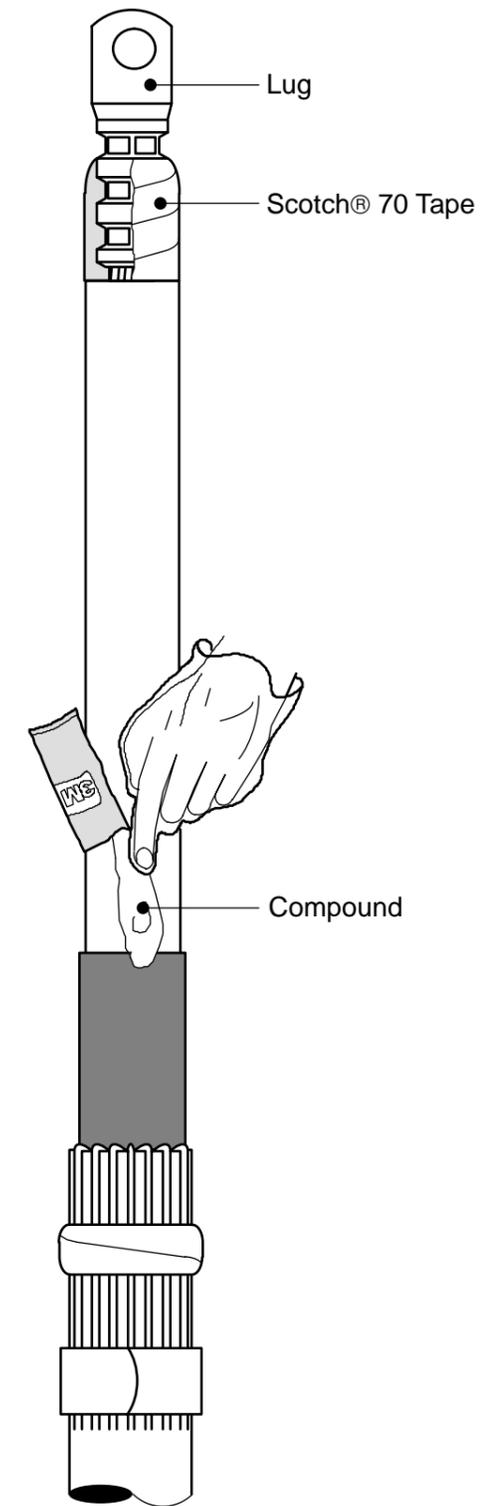


**Fig. 3a**

- 3.1 Remove the semi-con outer cable screen:  
**Fig. 3a**  
Cable with non-peelable extruded semi-con screen:  
 Leave 50 mm in front of the cable jacket.

- 3.2 Remove the primary insulation acc. to dimension  $B + 5$  mm.

**Fig. 3b**



**Fig. 4**

- 4.1 Attach and press on the crimp lug. Round the edges and remove all the residues of the filling. Thoroughly clean the lug.
- 4.2 Wrap Scotch® 70 tape onto the lug up to the diameter of the primary insulation. Apply Scotch® 70 tape slightly stretched.
- 4.3 Apply the compound at the end of the semi-con screen and 40 mm of the primary insulation.