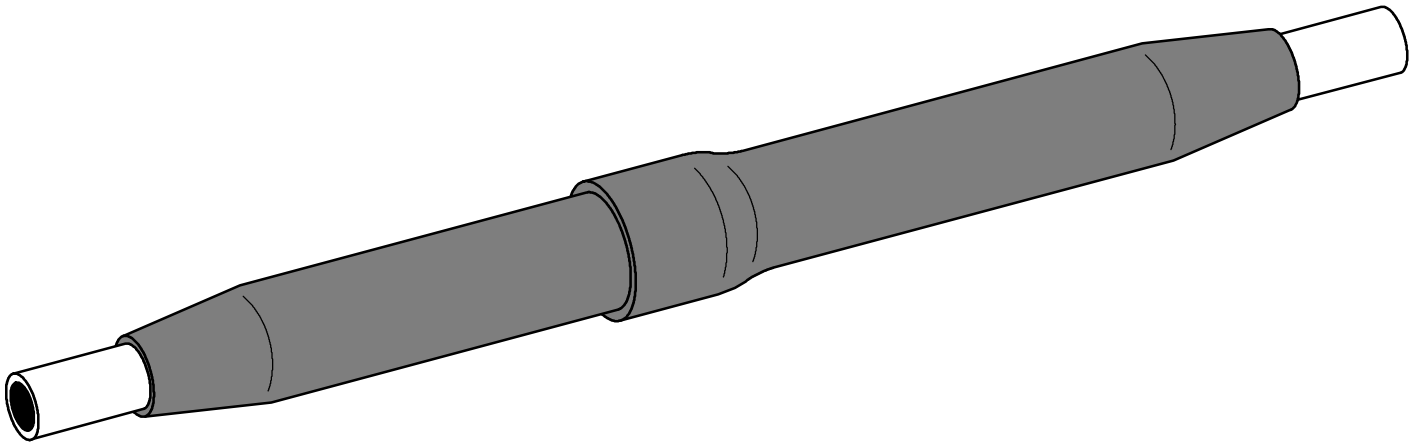
3M Cold Shrink



Application Range

Kit no.	Cable Dimensions		
	Diameter over Cable Jacket max. (mm)	Diameter over Primary Insulation E (mm)	Cross Section (mm^2) 6.0/10 (12) kV 6.35/11(12) kV
92-AK 630-1/C	60	26.1 - 45.0	300 - 630

3M Deutschland GmbH	Issue: 5	Issue date: 02.02.2017

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.

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3M QS 200

Cold Shrink Inline Splice Type

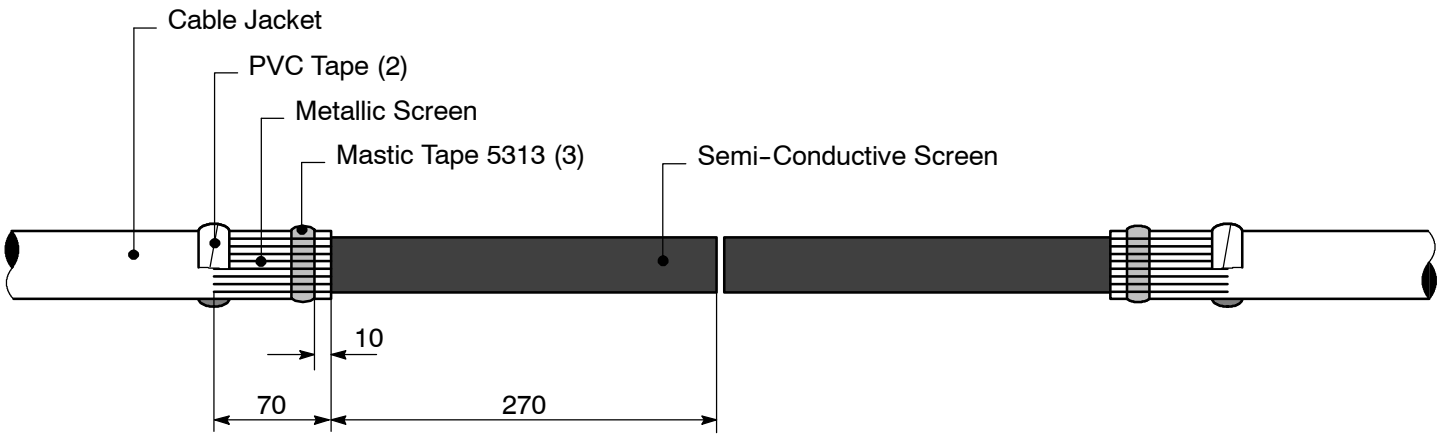
92-AK 630-1/C

with Cold Shrink re-jacketing
for single-core polymeric cable
acc. to HD 620 (IEC 60502) 12 kV U_{max}

3M Electrical Products

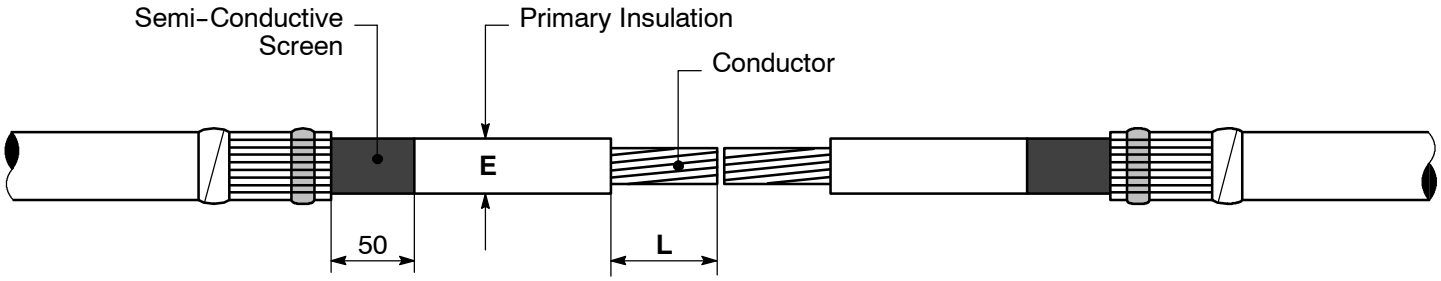
XE-0091-3466-1

1



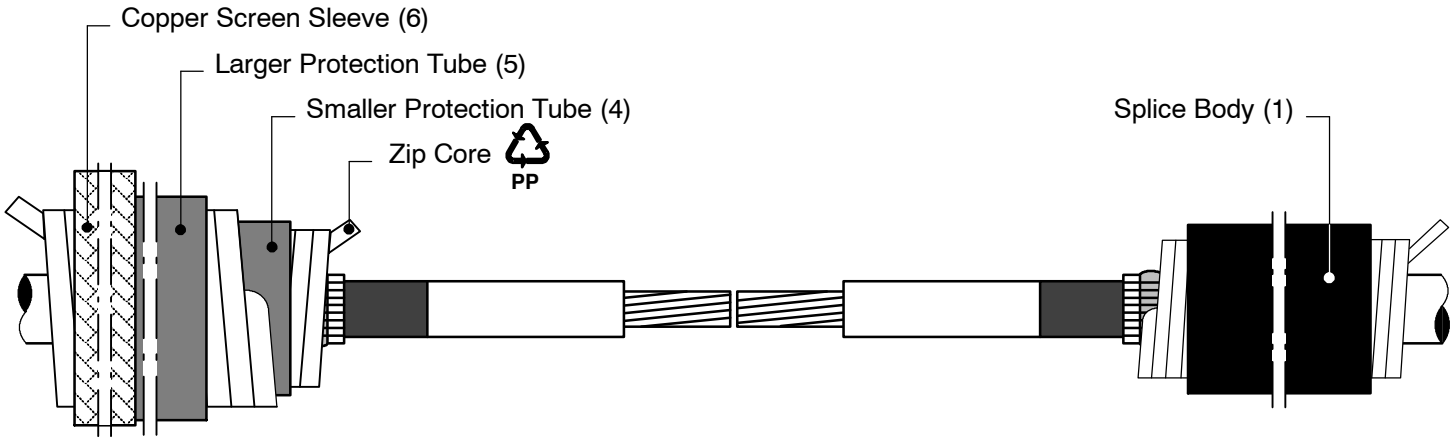
1.1 Remove the cable jacket acc. to given dimension.
1.2 Apply one layer of Mastic Tape 5313 (3) onto the cable jacket acc. given dimension.
1.3 Bend the copper screen wires back over the cable jacket, cut acc. to given dimension and fix the ends with two layers of PVC tape (2).

2



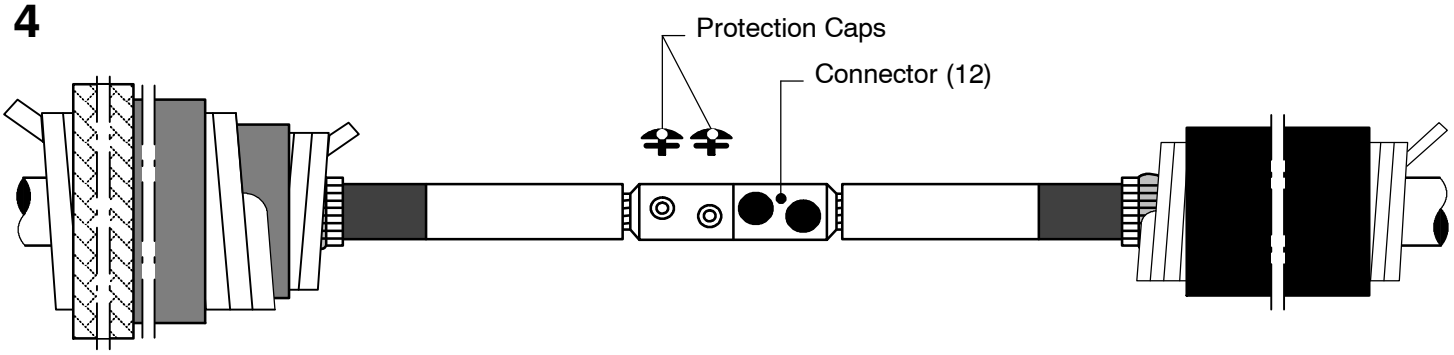
2.1 Remove semi-conductive screen acc. to given dimension. Check if dimension **E** over primary insulation is in accordance with value provided in application table.
2.2 Remove primary insulation **L** acc. connector supplier's instruction.

3



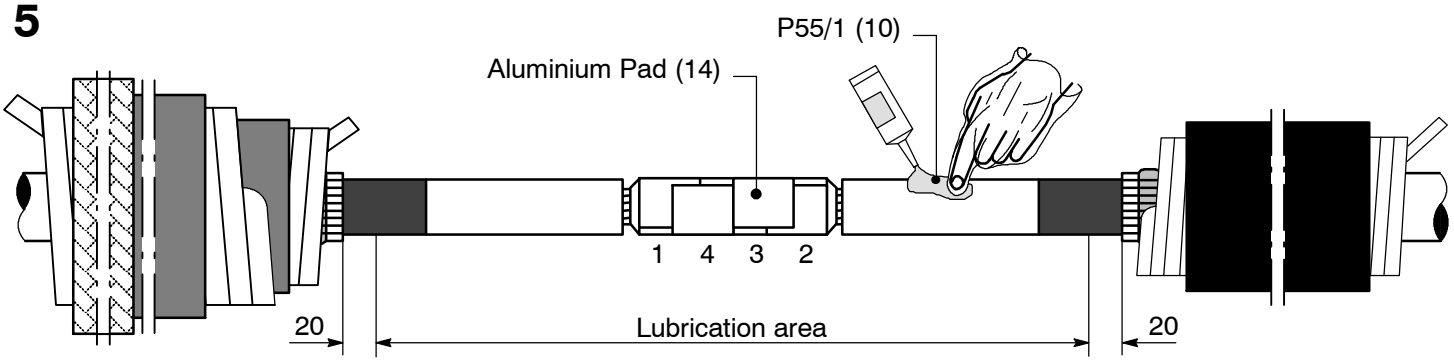
3.1 Position the protection tubes (4+5), copper screen sleeve (6) and the splice body (1) onto the cable ends.

4



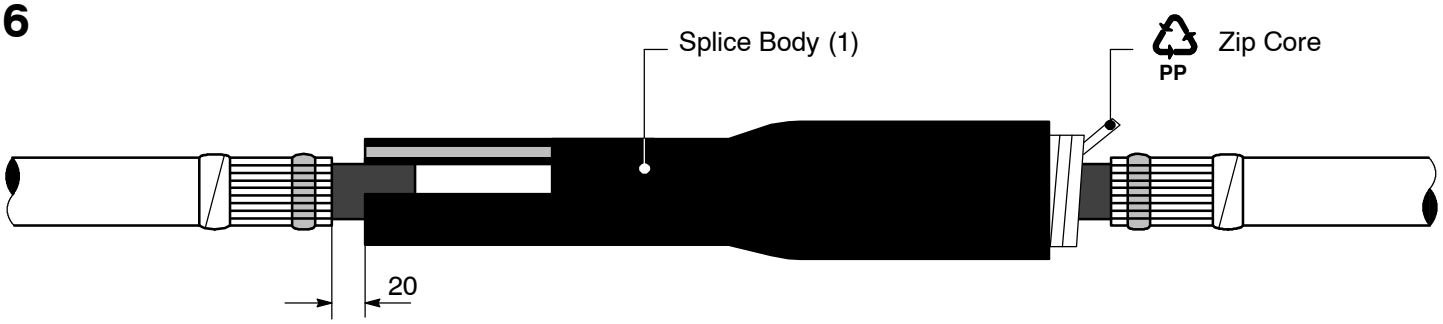
4.1 Install the connector (12) acc. to the connector supplier's instruction. If necessary, remove excess grease.
4.2 Smooth and clean the connector.
4.3 Push the protection caps onto the connector holes.

5



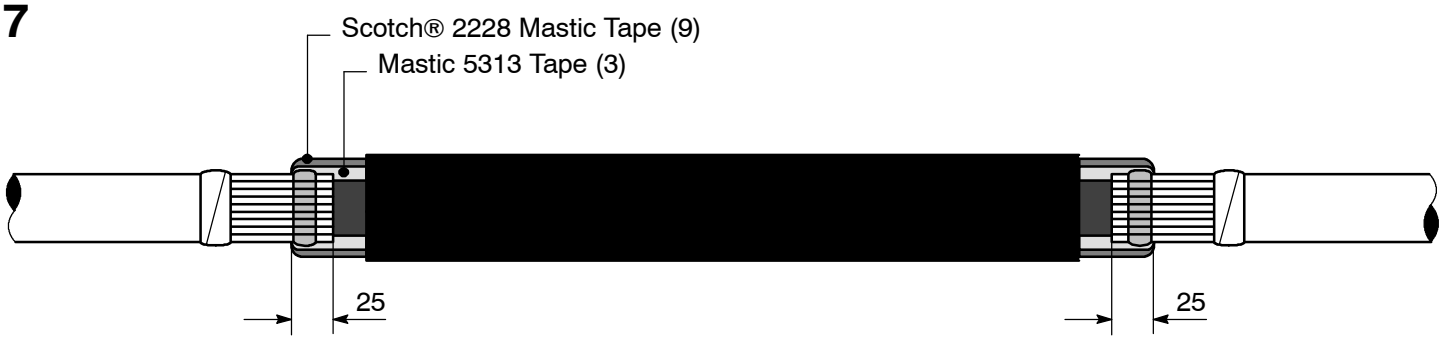
5.1 Cover the protection caps with aluminium pads (14). Apply pads wrinkle-free.
5.2 Apply P55/1 (10) grease onto primary insulation, semi-conductive screen and connector. Lubricate area over connector at last. Use plastic glove (11) provided in the kit.

6



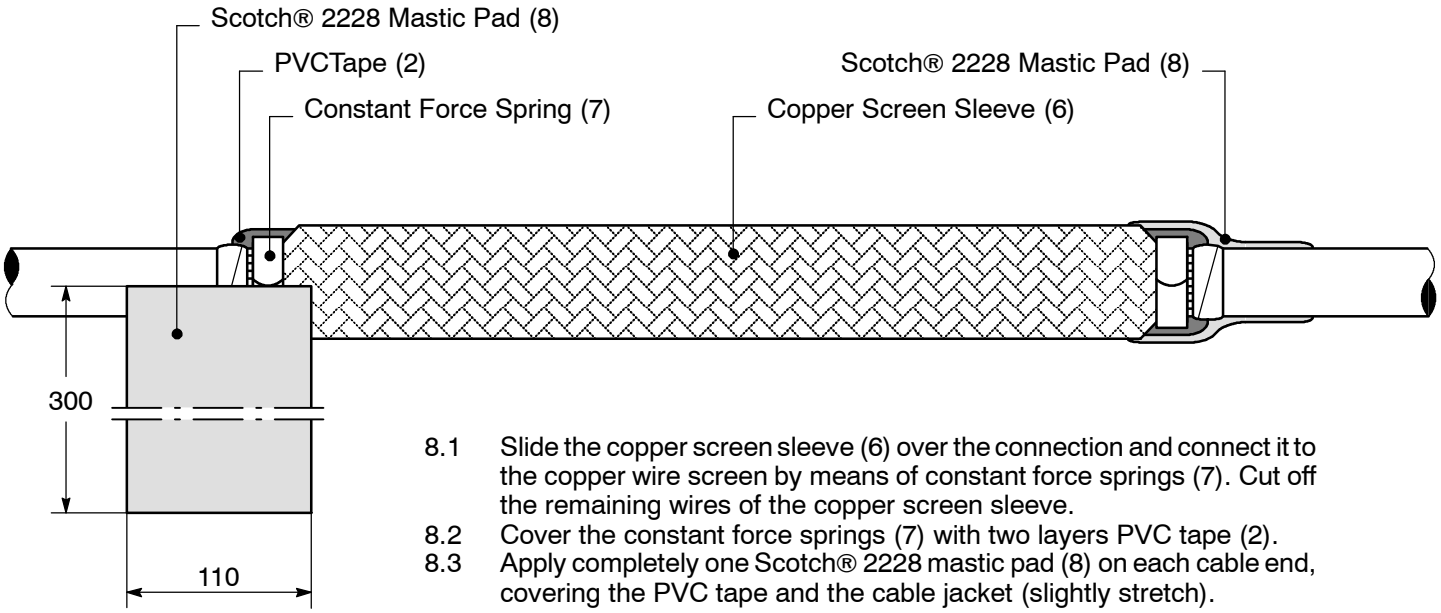
6.1 Slide splice body (1) over the connection until given dimension.
6.2 Shrink down splice body (1) by turning and pulling out zip core in counter clockwise direction.
6.3 Check position of the splice body acc. to given dimension after approx. 50 mm of shrinking.

7



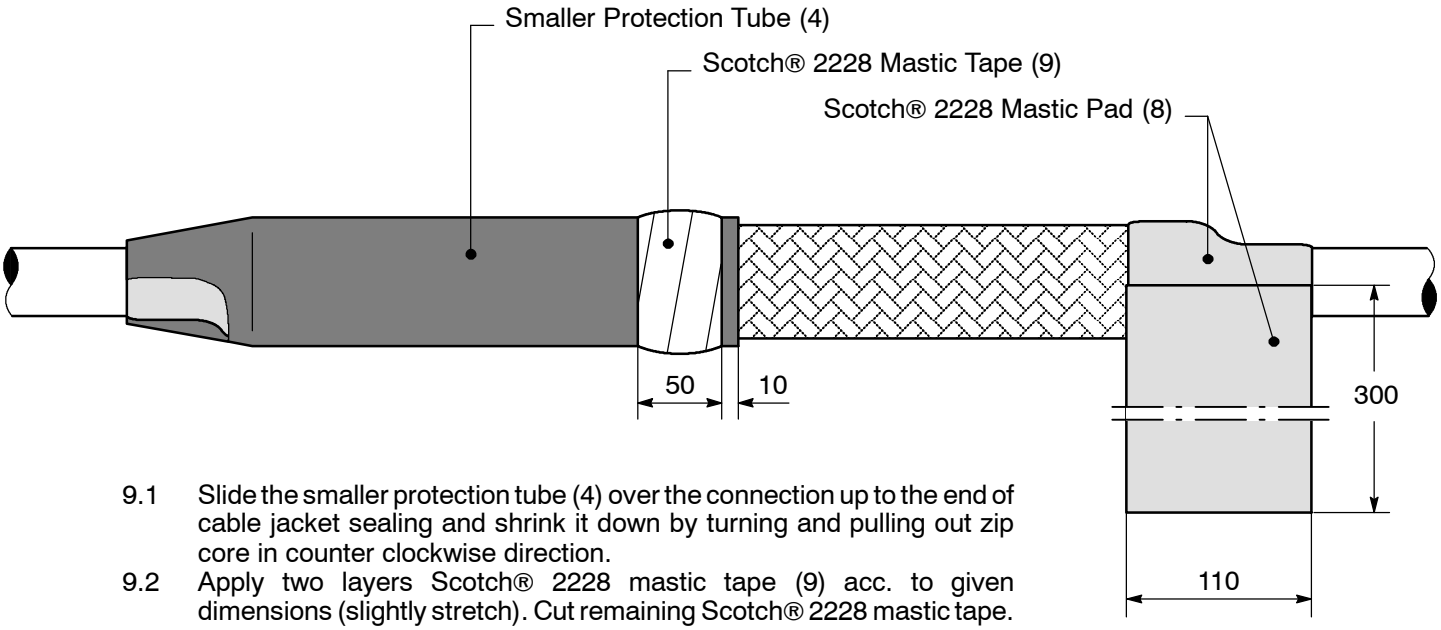
7.1 Apply one layer Mastic tape 5313 (3) beginning onto the screening wires with slightly tension according given dimension and fill out the gap between the screening wires and the splice body.
7.2 Overwrap the area of Mastic 5313 tape with two half-lapped layers of Scotch® 2228 Mastic tape (9) sligthly stretched.

8



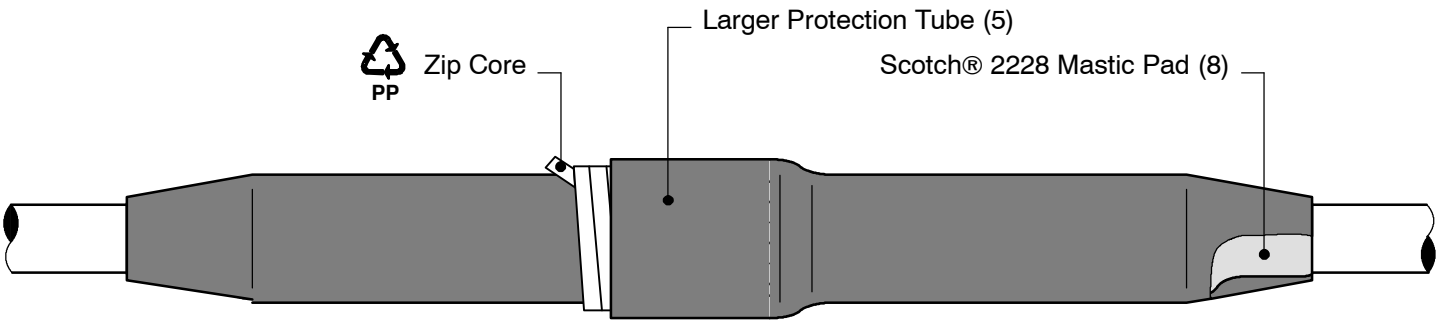
8.1 Slide the copper screen sleeve (6) over the connection and connect it to the copper wire screen by means of constant force springs (7). Cut off the remaining wires of the copper screen sleeve.
8.2 Cover the constant force springs (7) with two layers PVC tape (2).
8.3 Apply completely one Scotch® 2228 mastic pad (8) on each cable end, covering the PVC tape and the cable jacket (slightly stretch).

9



9.1 Slide the smaller protection tube (4) over the connection up to the end of cable jacket sealing and shrink it down by turning and pulling out zip core in counter clockwise direction.
9.2 Apply two layers Scotch® 2228 mastic tape (9) acc. to given dimensions (slightly stretch). Cut remaining Scotch® 2228 mastic tape.
9.3 Apply completely a second Scotch® 2228 mastic pad (8) covering the first pad (slightly stretch).

10



10.1 Slide the larger protection tube (5) over the connection up to the end of cable jacket sealing and shrink it down by turning and pulling out zip core in counter clockwise direction.