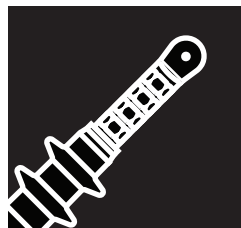


CAUTION: Read instructions thoroughly and completely prior to beginning installation.

Installation instructions for slip-on indoor termination



AIN 30

U max. 36 kV

For copper tape screened cable with:

- extruded easy strip semi-conductive screen
- bonded extruded semi-conductive screen

Contents :

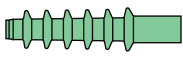

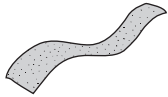








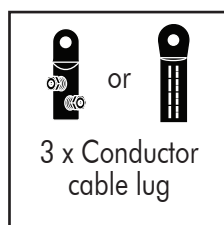
 3 x Termination housing	 Roll adhesive tape	 Emery cloth	 3 x Stress control mastic strips, type MFC (Hi-K)	 3 x Semi-conductive tape
 3 x Earth braid	 3 x Tinned copper wire	 Silicone grease	 Wiper	 Glove
 Installation instructions				

Table 1

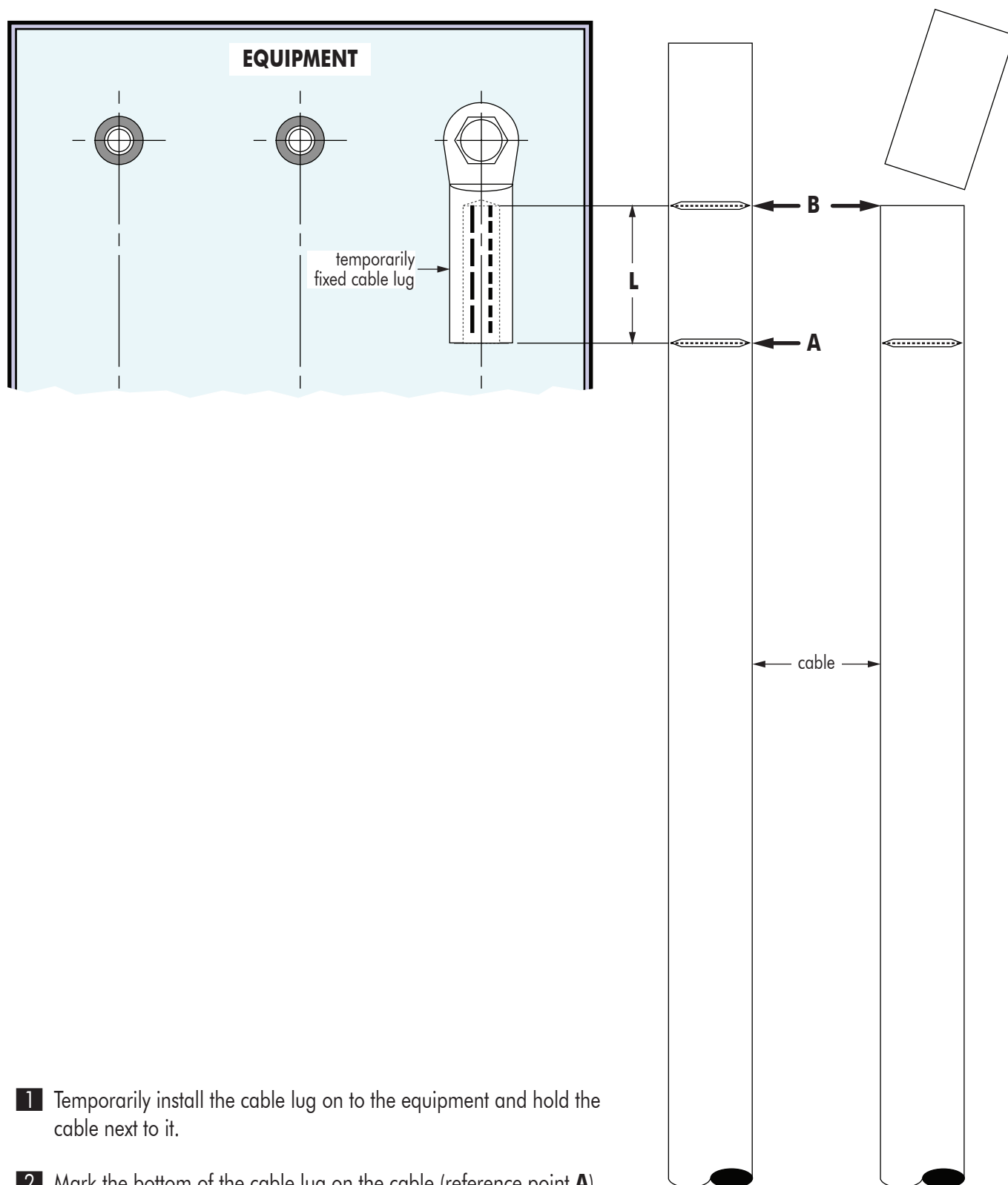
Optionally supplied :



Termination size	Conductor cross section (mm ²) [for information only]	Cable core insulation diameter (mm)	
		min.	max.
1	50 - 70	23,5	29,0
2	95 - 240	27,0	38,0
3	240 - 400	32,0	43,0

Euromold
a Nexans company

This product should be installed only by competent personnel trained in good safety practices involving high voltage electrical equipment. These instructions are not intended as a substitute for adequate training or experience in such safety practices. These instructions do not attempt to provide for every possible contingency. Failure to follow these instructions could result in damage to the product and serious or fatal injury. **IMPORTANT :** Cable and associated apparatus must be de-energised, locked out, and tagged prior to product installation.





- 1 Temporarily install the cable lug on to the equipment and hold the cable next to it.
- 2 Mark the bottom of the cable lug on the cable (reference point **A**).
- 3 Measure the depth of the cable lug bore (length **L**) and mark this distance above the reference point **A** on the cable (reference point **B**).
- 4 Cut the cable at the reference point **B**.

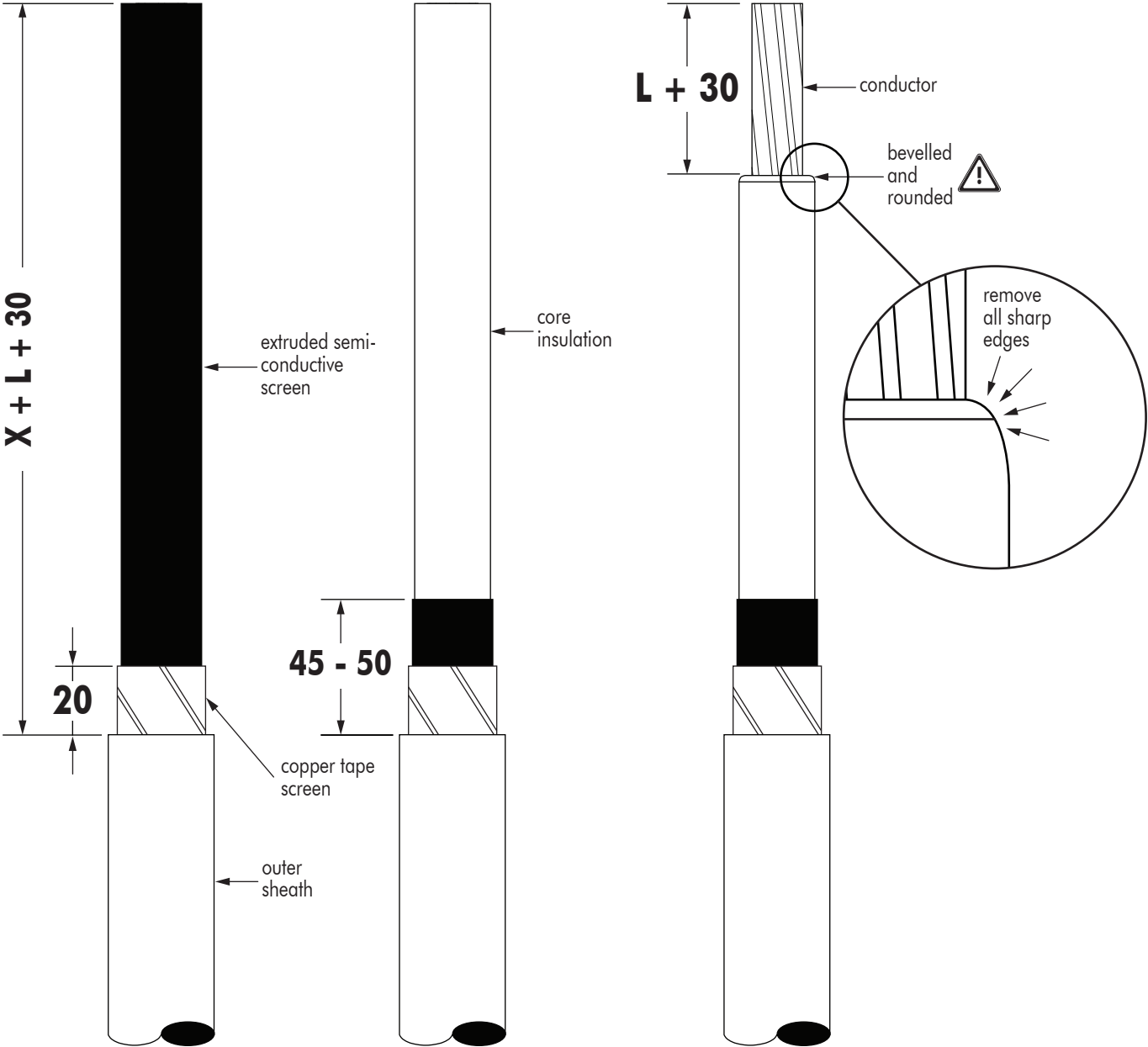
CABLE PREPARATION

Table 2

Termination size	Cable core insulation diameter (mm)	X (mm)
1	23,5 - 26	255
	26 - 29	250
2	27 - 30,6	250
	30,6 - 34,1	245
	34,1 - 38	240
3	32 - 38	255
	38 - 43	245




- 1** Remove the outer cable sheath for a distance **X + L + 30** mm.
L = depth of the cable lug bore
X = see table 2
- 2** Remove the copper tape screen to a point **20** mm above the cut edge of the outer sheath.
- 3** Remove the semi-conductive screen up to **45 - 50** mm above the cut edge of the outer sheath.
-  Check if the cable insulation diameter is in accordance with the termination range. See table 2.
- 4** Bare the conductor for a distance **L + 30** mm.
-  **IMPORTANT :** To ensure the termination slips on easily, the edge of the core insulation should be rounded and slightly roughened using the supplied emery cloth.



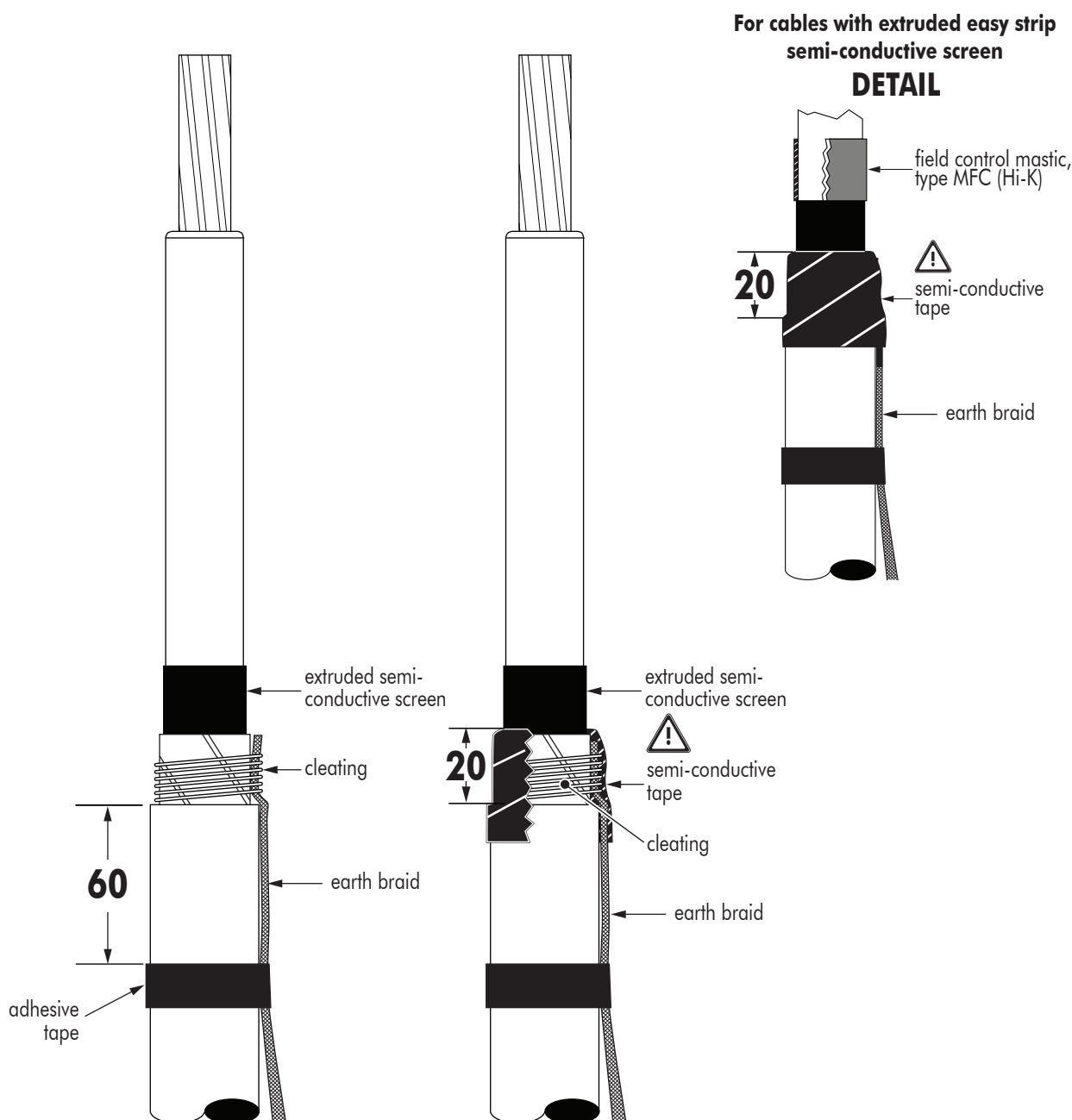
5 Using a tinned copper wire, cleat the earth braid onto the copper tape screen.

6 Using adhesive tape, secure the earth braid approx. **60** mm below the edge of the outer sheath.

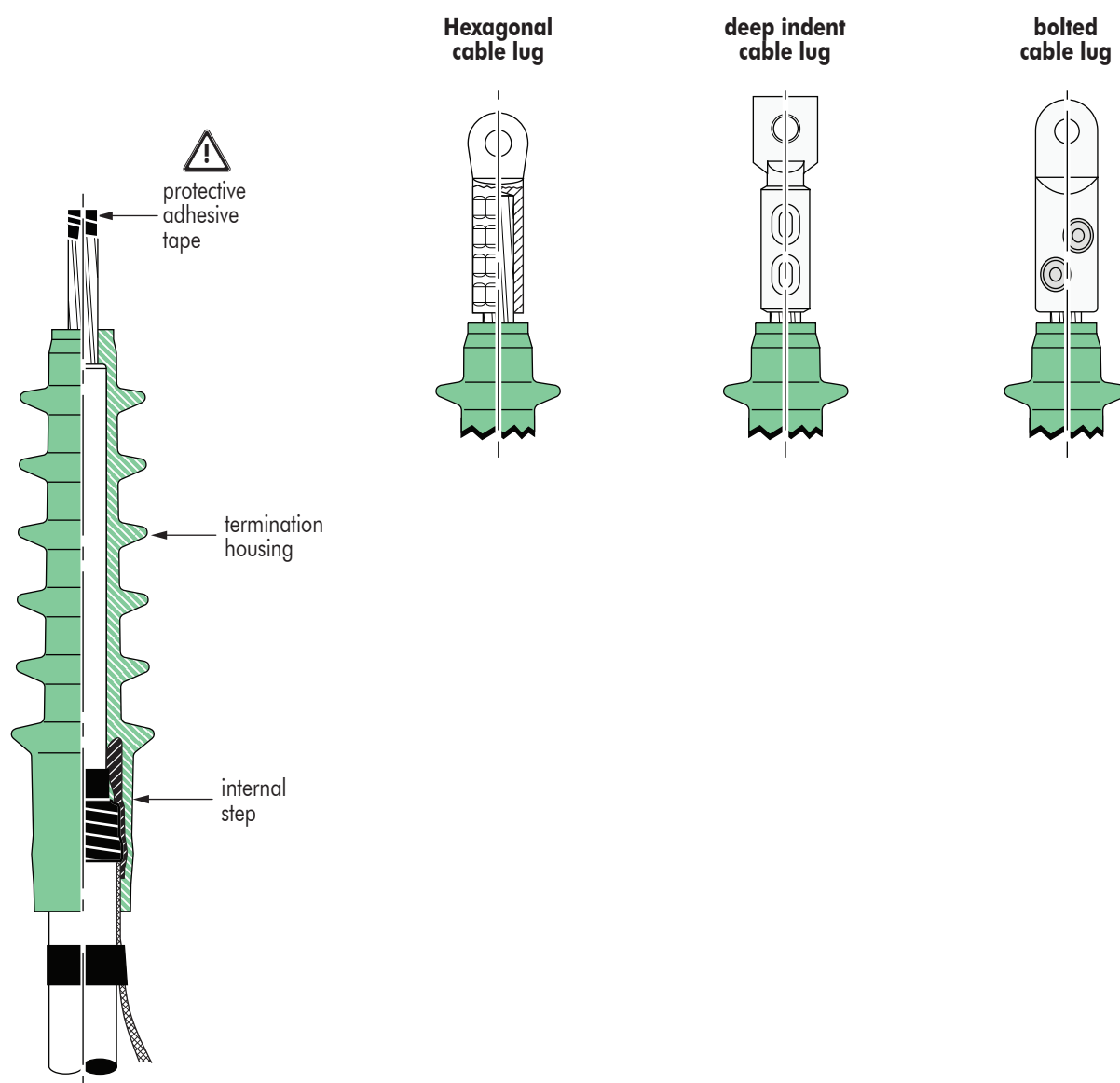
7  Completely overtape the cleating with semi-conductive tape. All sharp edges must be covered. Make a step at **20** mm from the edge of the outer sheath.



8 For cables with extruded easy strip semi-conductive screen (see detail)

- Apply one layer of field control mastic, type MFC (Hi-K) on the core insulation, flush with the extruded semi-conductive screen.
- Squeeze it tightly in place using the coated side of the paper.

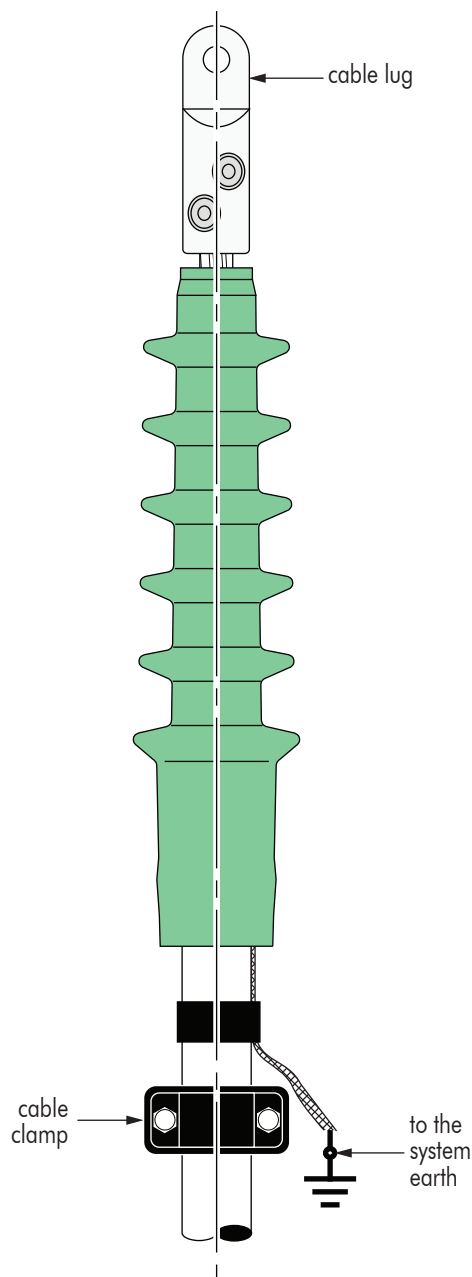


INSTALLATION OF THE TERMINATION HOUSING AND CABLE LUG



-  **1** Remove burrs from the conductor and as a protection, wrap a few turns of adhesive tape around the conductor end.
- 2** Remove any traces of conductive residue from the core insulation.
-  **3** Lubricate core insulation and the inner surface of the termination (**use only the silicone lubricant supplied**).
- 4** Push the termination on the cable, until the internal step in the bottom part of the termination butts against the step made by the cleating and taping. Remove protective tape from the conductor.
- 5** - Crimp contacts : crimp according specification.
- Bolted contacts : tighten the screws, refer to the installation instruction included with the contact.
- 6** Remove any burrs after crimping/tightening and wipe off excess inhibitor.

CABLE SCREEN EARTHING



- 1 Connect earth braid to the system earth.
- 2 Clamp the cable as close as possible to the termination.