

CAUTION:

Read instructions thoroughly and completely prior to beginning installation.

Installation instructions for slip-on indoor termination



For copper wire screened cable with :

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

Contents :

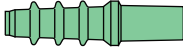

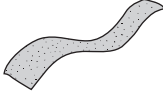





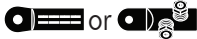

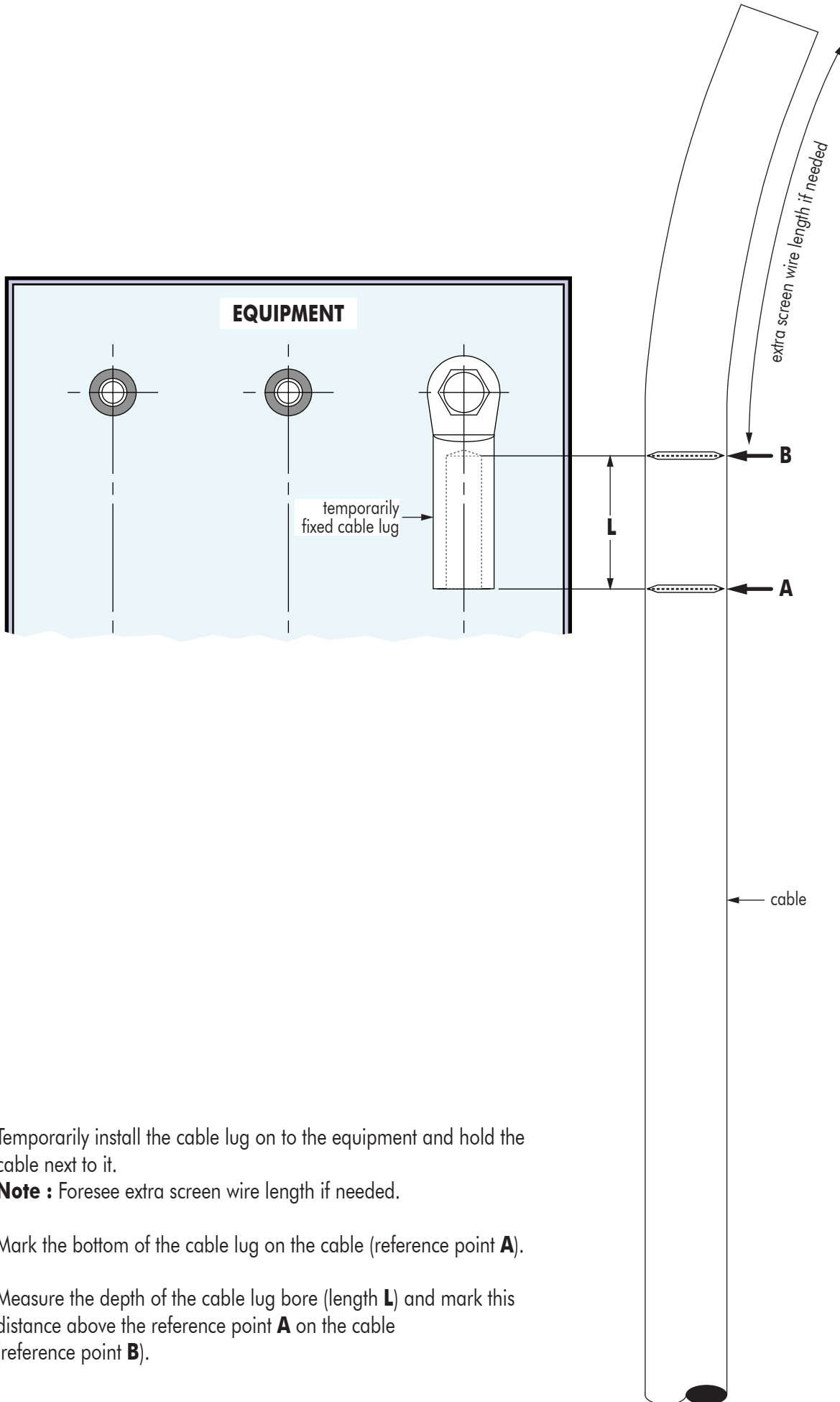
 3 x Termination housing	 Roll adhesive tape	 Emery cloth	 3 x Stress control mastic, type MFC (Hi-K)	 Silicone grease
 Wiper	 Glove	 Installation instructions		

Table 1

Termination size	Conductor cross section (mm ²) [for information only]	Cable core insulation diameter (mm)	
		min.	max.
1	35 - 70	18	23,5
2	95 - 240	22,5	33
3	300 - 500	31	41
4	400 - 630	34	46

Optionally supplied :

 3 x Conductor cable lug	 3 x Earthing cable lug
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- 1 Temporarily install the cable lug on to the equipment and hold the cable next to it.
Note : Foresee extra screen wire length if needed.
- 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**).



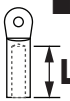
FOR INFORMATION ONLY Please always use the instructions supplied in the kit




CABLE PREPARATION

Table 2

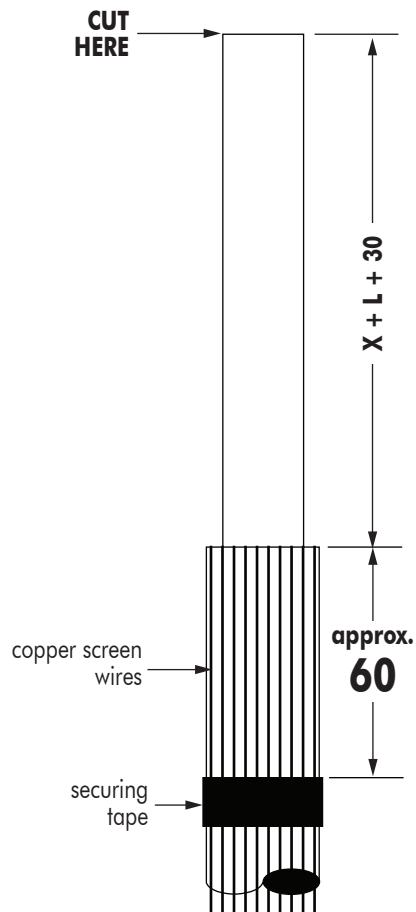
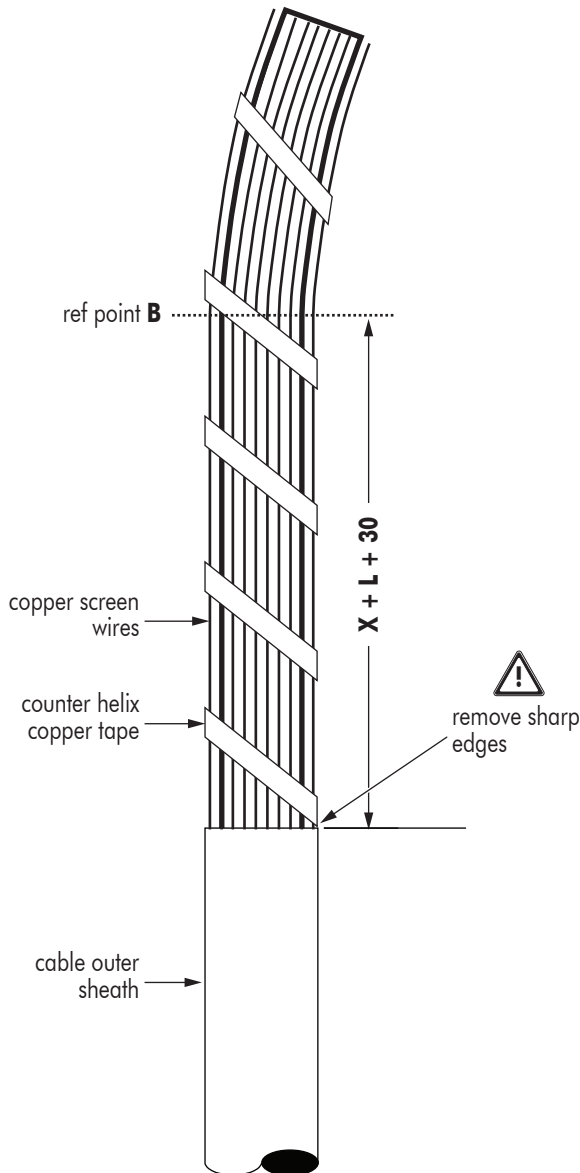
Termination size	Cable core insulation diameter (mm)	X (mm)
1	18 - 20,5	160
	20,5 - 23,5	155
2	22,5 - 26	160
	26 - 29,5	155
	29,5 - 33	150
3	31 - 36	160
	36 - 41	150
4	34 - 40	160
	40 - 46	150

 **1** Remove the outer cable sheath for a distance $X + L + 30$ mm from the reference point **B**.
L = depth of the cable lug bore
X = see table 2

 **2** Remove the counter helix copper tape(s). Make sure to remove all sharp edges.

3 Bend all the copper screen wires downwards, around the outer sheath. Using adhesive tape, secure the screen wires approx. **60** mm below the edge of the outer sheath.

4 Cut the cable to a point $X + L + 30$ mm from the outer sheath.



5 Remove the semi-conductive screen up to **25 - 30** mm above the cut edge of the outer sheath.

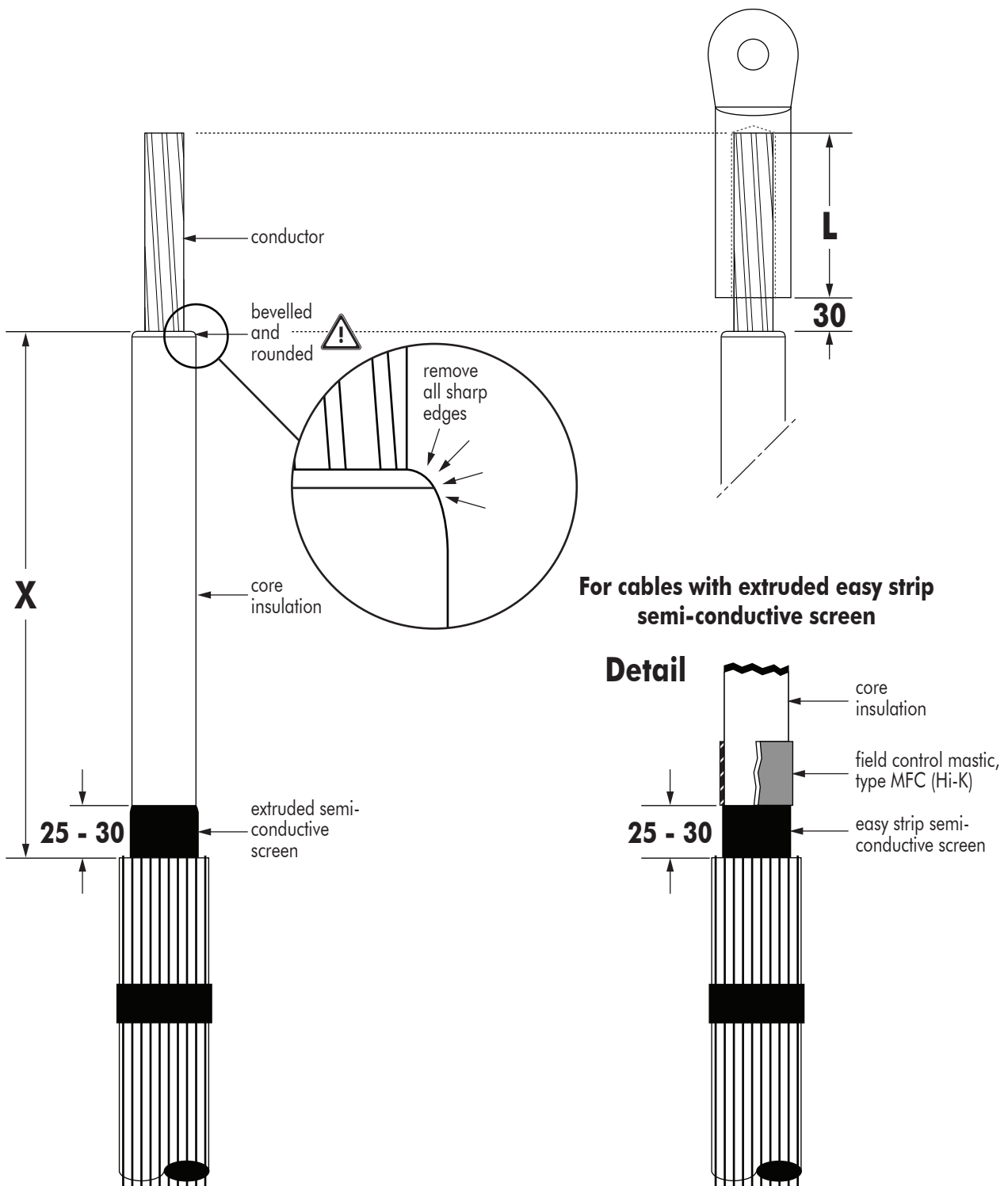
! Check if the cable insulation diameter is in accordance with the termination range. See table 2.

6 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 bevelled and slightly roughened using the supplied emery cloth.

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

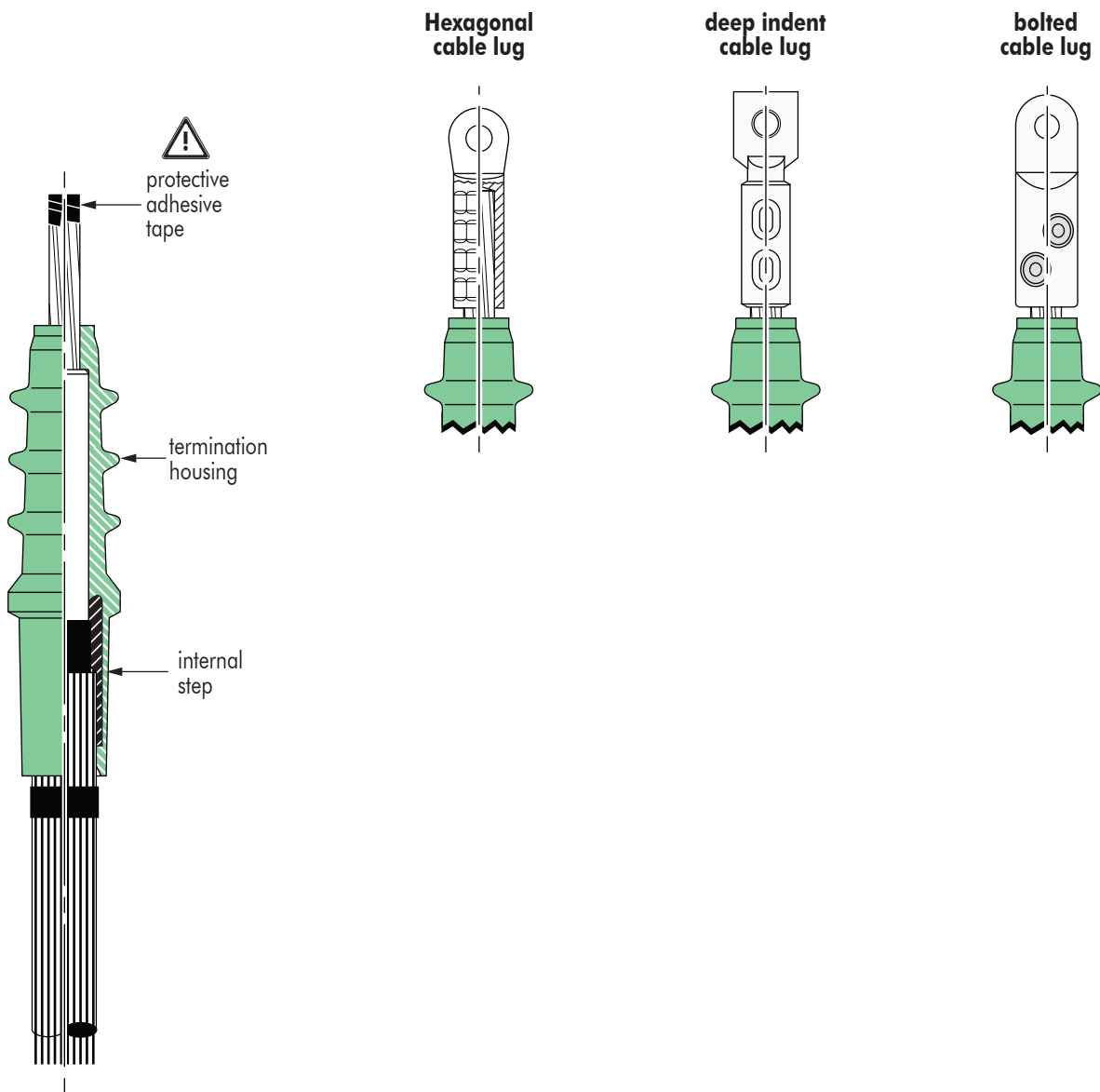
- Apply one layer of field control mastic, type MFC (Hi-K), on the core insulation, flush with the extruded semi-conductive screen.
- Squeeze it tightly in place using the coated side of the paper.



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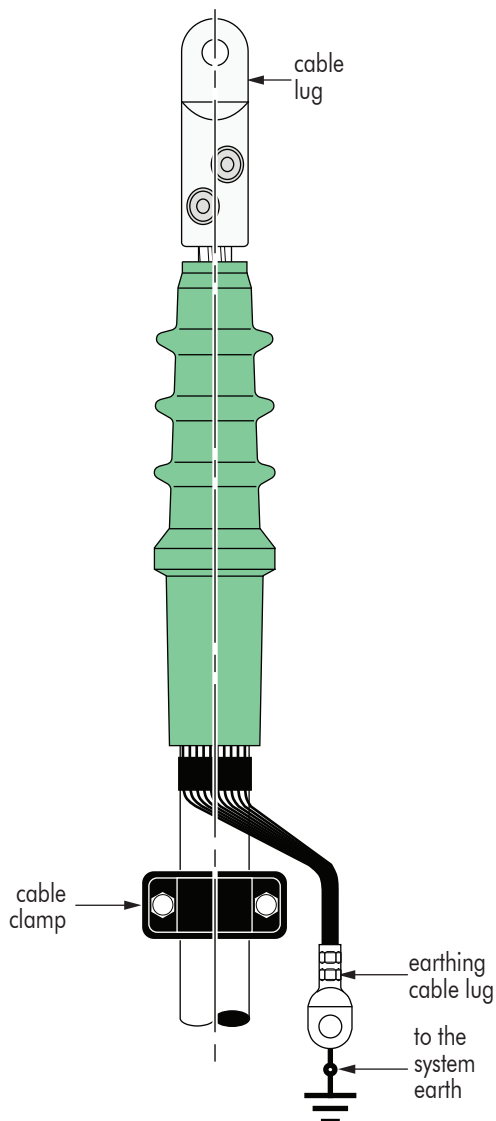


INSTALLATION OF THE TERMINATION HOUSING AND CABLE LUG



- 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 cable outer sheath. 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 Pull the screen wires to one side of the termination and twist them together to form a pigtail and fit in the earthing cable lug. Crimp the cable lug.
- 2 Connect screen wires to the system earth.
- 3 Clamp the cable as close as possible to the termination.

