

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

Installation Instructions Separable Elbow Connector - CENELEC interface type A


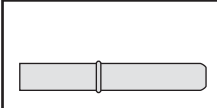

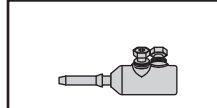

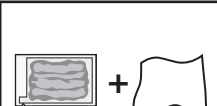

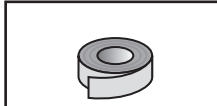

	<h1 style="margin: 0;">(K)200SR</h1> <p style="margin: 0;">Up to 24 kV</p>
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Only to be used on copper wire screened cable with extruded semi-conductive screen and conductors of copper or aluminium.

Check if the diameter over cable core insulation is in accordance with the cable reducer range as indicated in table below:

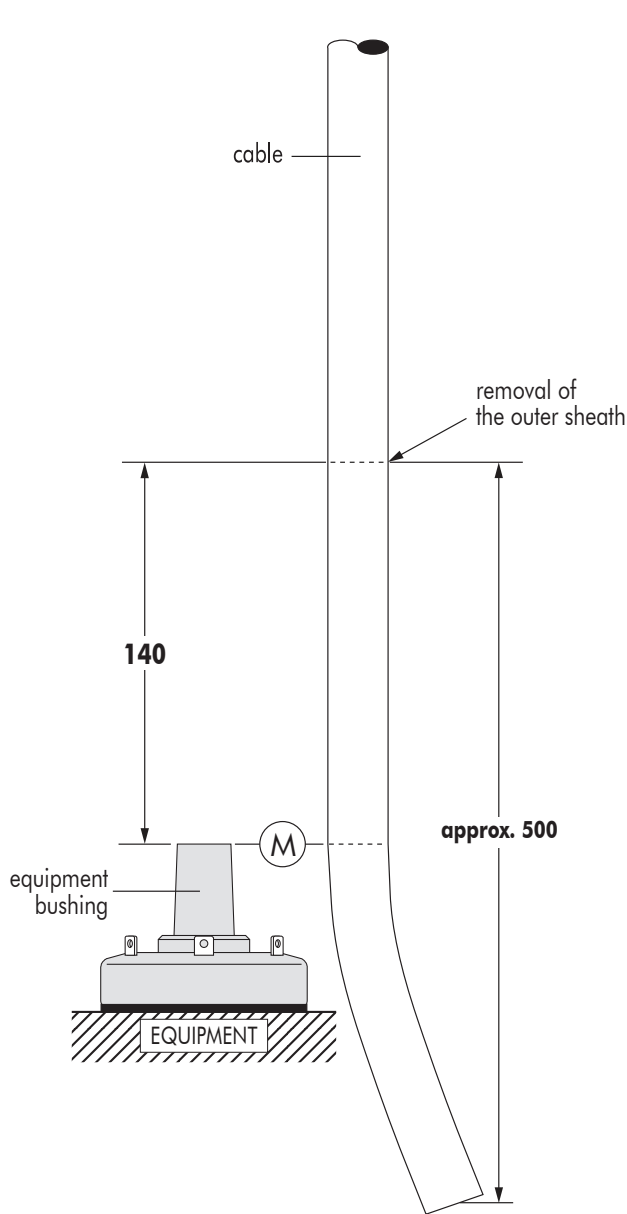
Cable reducer size (see label on cable reducer)	Dia. over core insulation (mm)	
	min	max
200CA-12	13.0	21.0
200CA-16	17.5	23.0

Contents :

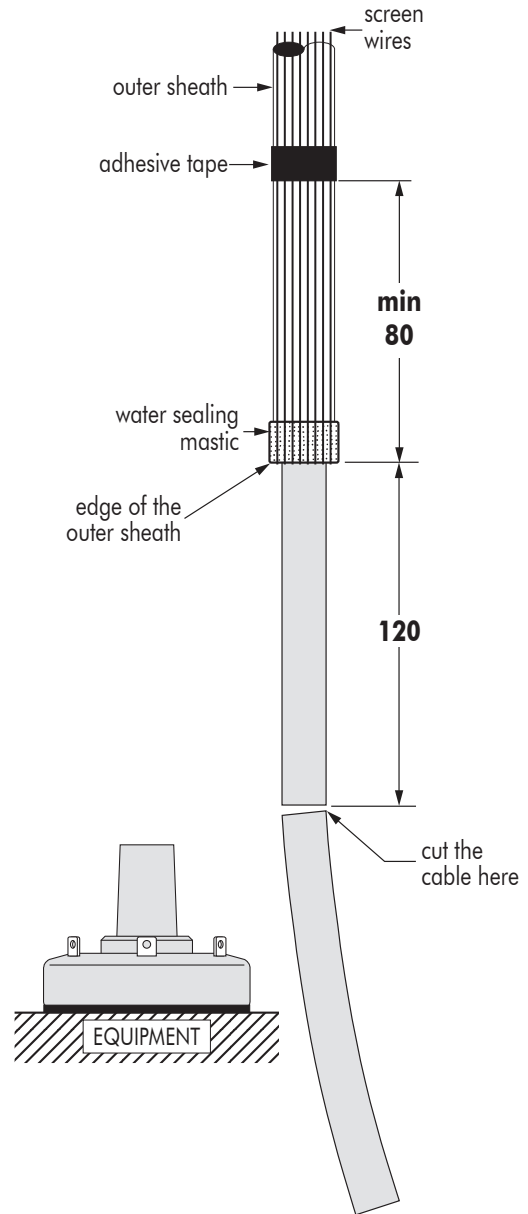
 3 x Straight connector housing 200SRH/G	 3 x Cable reducer 200CA	 3 x Bail restraint 200SRBA	 3 x Conductor contact 200SRMC	 6 x Water sealing mastic, type NGAF
 Silicone grease + wipers	 Gloves	 Roll adhesive tape	 Installation instructions	

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

CABLE DISPOSAL



- 1 Train the cable into the approximate finished position next to the equipment bushing.
- 2 Mark the centre line « M » of the bushing.
- 3 Remove the outer sheath to a point **140** mm from point « M » (bushing top).



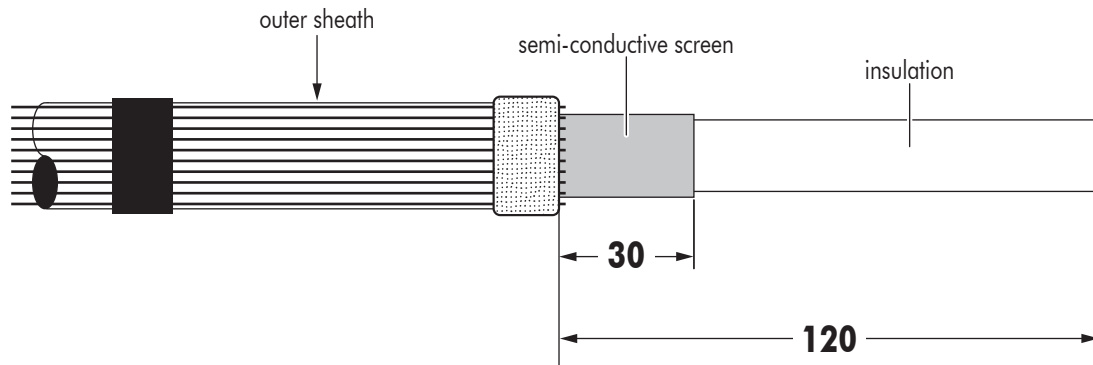
- 4 Wrap one layer of water sealing mastic around the outer sheath.
- 5 Bend the screen wires back over the outer sheath, pressing them into the mastic. Screen wires should not touch or overlap each other to prevent water ingress.
- 6 Using adhesive tape, fix the screen wires at a distance of min **80** mm from the edge of the outer sheath.
- 7 Cut the cable to a point **120** mm from the outer sheath.



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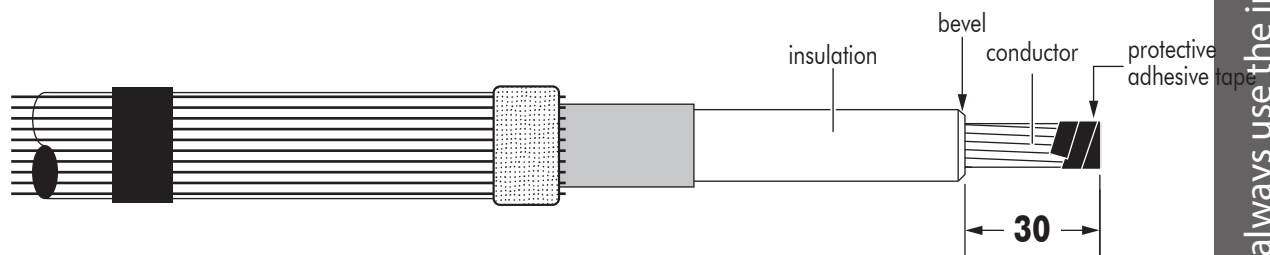


SEMI-CONDUCTIVE SCREEN REMOVAL



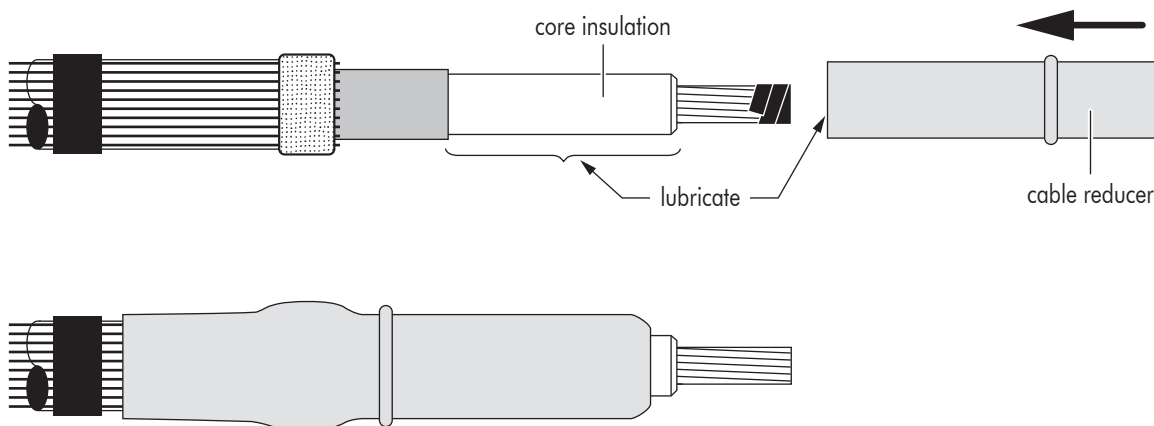
- 1 Check distance of **120** mm.
- 2 Remove the semi-conductive screen to a point **30** mm from the outer sheath.
For extruded easy strip semi-conductive screen:
 Cut squarely taking care not to cut the core insulation.
For bonded extruded semi-conductive screen:
 Use an appropriate pencilling tool. Make a smooth transition between core insulation and semi-conductive screen.
- 3 **Remove any traces of conductive residue from the core insulation.**

REMOVAL OF THE CORE INSULATION



- 1 Remove the core insulation from the conductor for a distance **30** mm.
- 2 Slightly bevel the edge of the core insulation. **Do not sharpen in cone-shape.**
- 3 **Thoroughly clean core insulation.** Always wipe towards the screen wires.
- 4 As a protection, wrap a few turns of adhesive tape around the conductor end.

INSTALLATION OF THE CABLE REDUCER



- 1 Lubricate* the indicated area : core insulation and inner surface of the reducer.
- 2 Slide the reducer down the cable.
- 3 Remove the protective adhesive tape from the conductor.

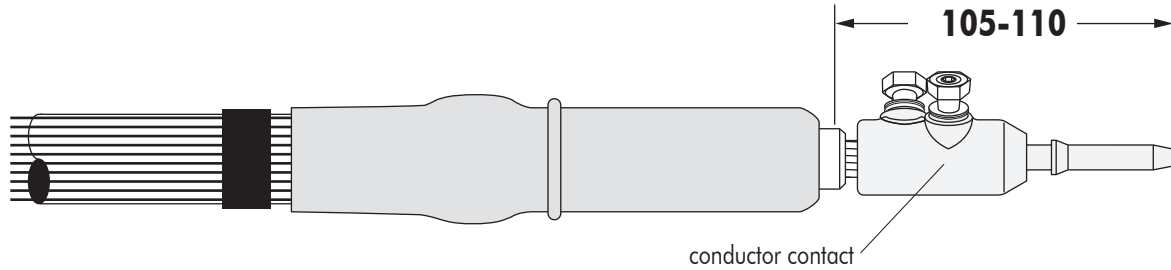
* USE ONLY THE SILICONE LUBRICANT SUPPLIED




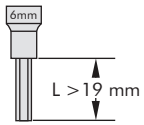
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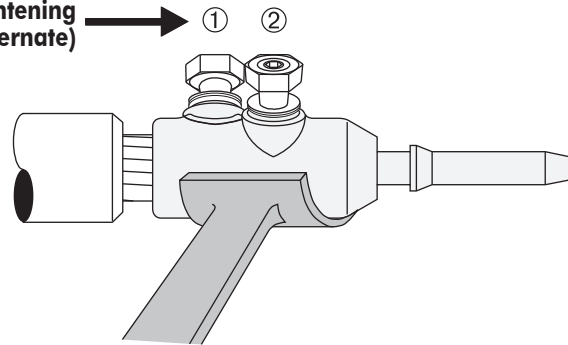
INSTALLATION OF THE CONDUCTOR CONTACT



- 1 Before installing the conductor contact, wire brush the conductor (for aluminium conductors).
- 2 Install the contact and check the contact palm faces the bushing interface.
- 3 Prior to tightening the screws, check distance of max **105-110** mm.

 13mm	 6mm L > 19 mm
25 - 70 mm²	95 mm²

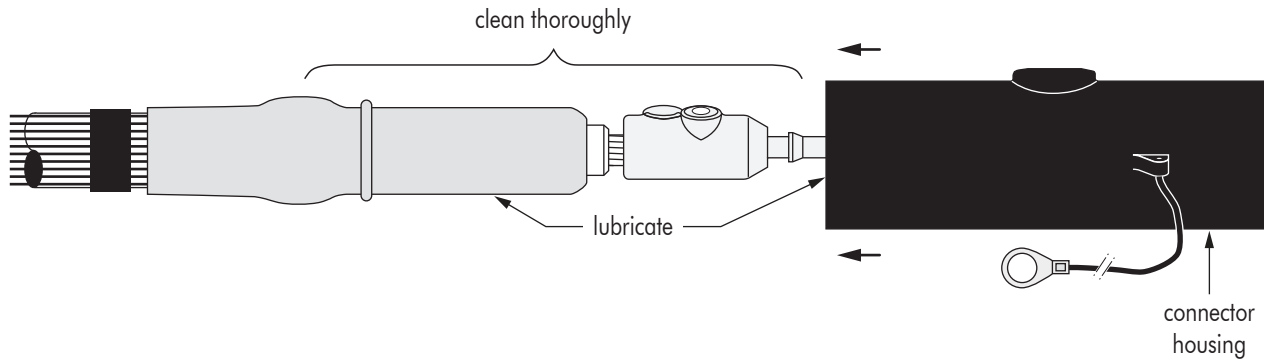
sequence of tightening
(alternate)



- 4 Hand tighten the screws.
- 5 Tighten the screws slowly and alternately, with the tool according to table, until the heads shear off. Shear off screw 1 then screw 2. It is recommended to use the holding tool for ease of installation.
- 6 Check position of the cable reducer. If necessary, adjust reducer to a distance between **105-110** mm.

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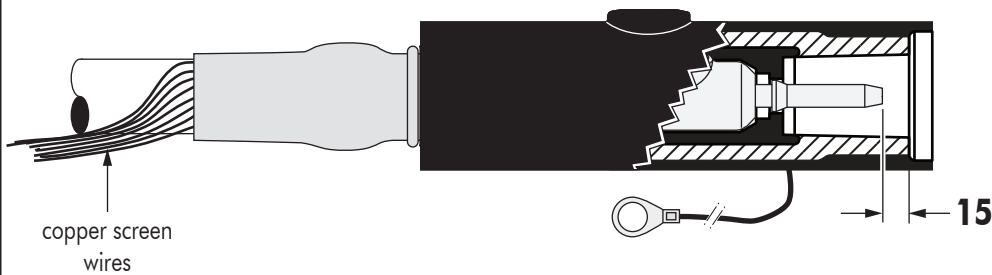
CONNECTOR INSTALLATION ON THE CABLE



1 Thoroughly clean core insulation, cable reducer and contact.

Always wipe towards the screen wires.

2 Lubricate* cable reducer and inside surface of the connector.



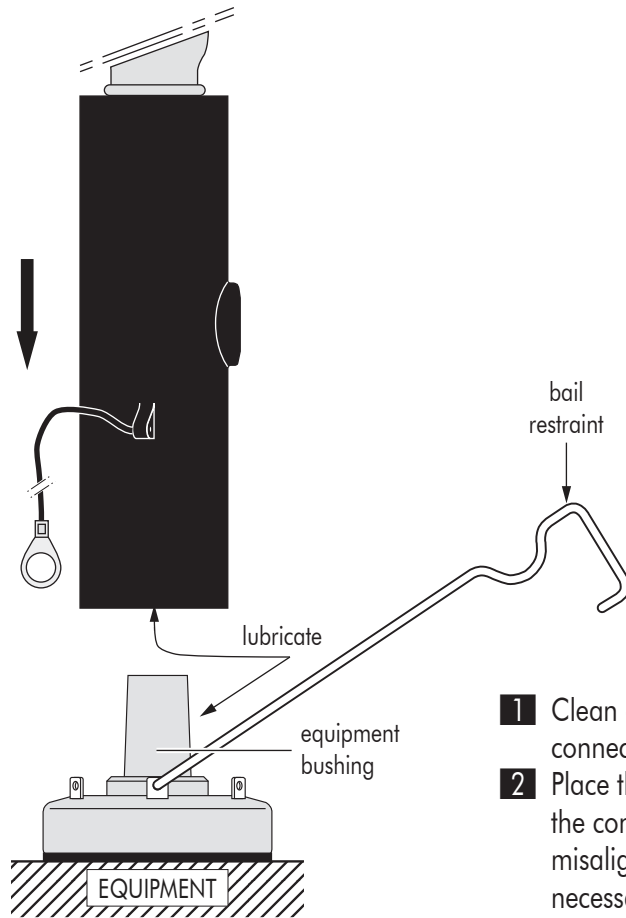
3 Gently slide the housing on the cable with a back and forth twisting motion until the base of the pin chamfer comes flush with the inside face of the connector as shown. Check dimension of **15** mm.

4 Remove markertape from the cable.

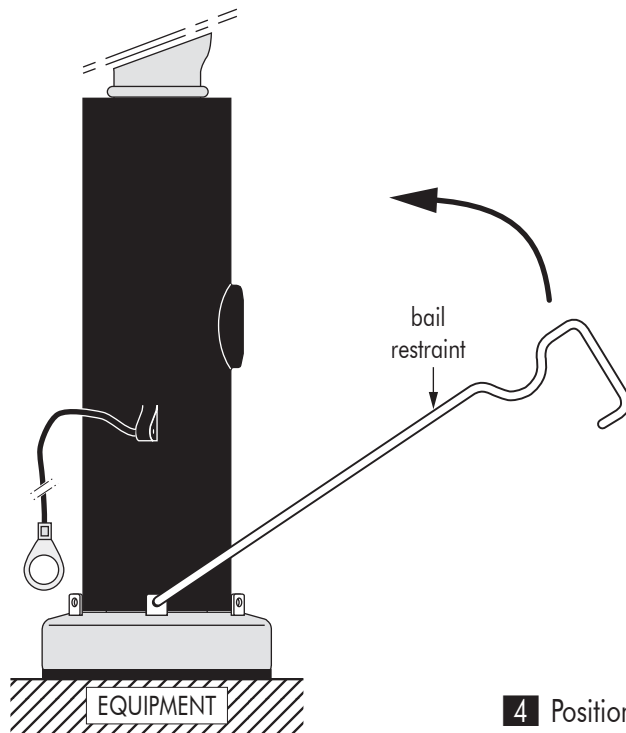
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CONNECTOR INSTALLATION ON THE BUSHING



- 1** Clean and lubricate* lightly both bushing interface and connector interface.
- 2** Place the connector firmly down on the bushing. Make sure the connector is lined up with the bushing to prevent misalignment of pin and socket. Rotate connector as necessary while placing on the bushing.
- 3** Insert bail restraint into the bushing tabs.



- 4** Position bail restraint.

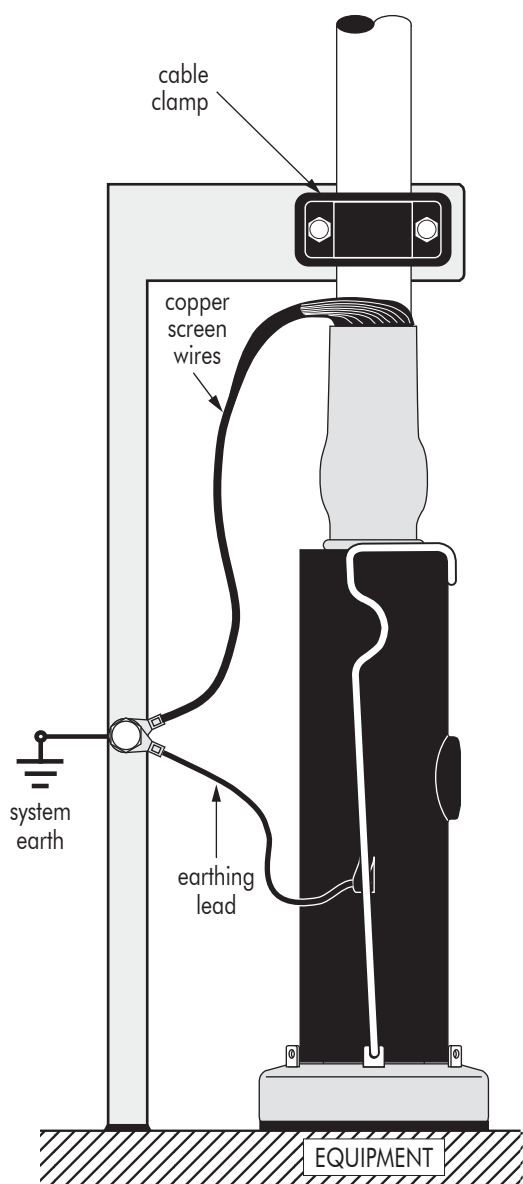


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EARTHING AND CABLE CLAMPING



- 1 Twist screen wires to form a pig tail.
- 2 Connect earthing lead of the connector and the screen wires to the system earth.

NOTE :

A connector/bushing mated combination should not be allowed to carry the full weight of the cable. Therefore it is necessary to clamp the cable as close as possible to the connector.

IMPORTANT NOTES :

- Never disconnect the straight receptacle from energised equipment nor energise a disconnected straight connector without previously installing on its corresponding Stand-off plug (K)151SOP or Dead-end plug (K)150DP.
- Do not allow hydrocarbon oils or solvents to contaminate the E.P.D.M. rubber. In the event of contamination, wipe the surface clean with a dry cloth.

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