


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

Installation Instructions Separable Elbow Connector - CENELEC interface type A



**EUROMOLD®**

# (K)200LR

Up to 24 kV


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 marking inside cable reducer)	Dia. over core insulation (mm)	
	min	max
200CA-12	13.0	21.0
200CA-16	17.5	25.0


**Contents :**

**3x**

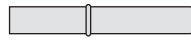


Elbow connector housing  
200LR/G

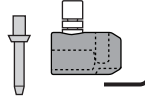
**OR**



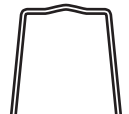
Elbow connector housing  
200LR/G-VD



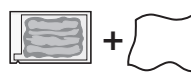
Cable reducer  
200CA




Contact 200LRMC  
+ pin + hex key




Bail restraint  
200LRBA




Silicone grease  
+ wipers




Gloves



Water sealing  
mastic, type NGAF



Roll adhesive  
tape



Installation  
instructions

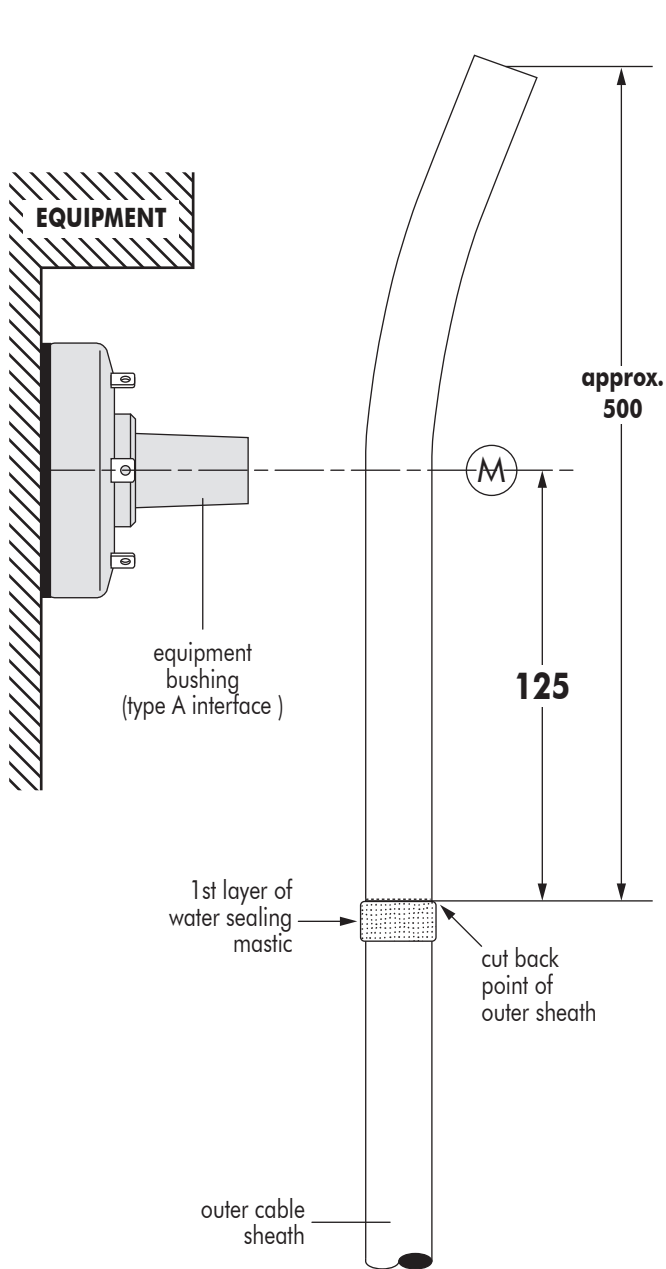


**FOR INFORMATION ONLY Please always use the instructions supplied in the kit**

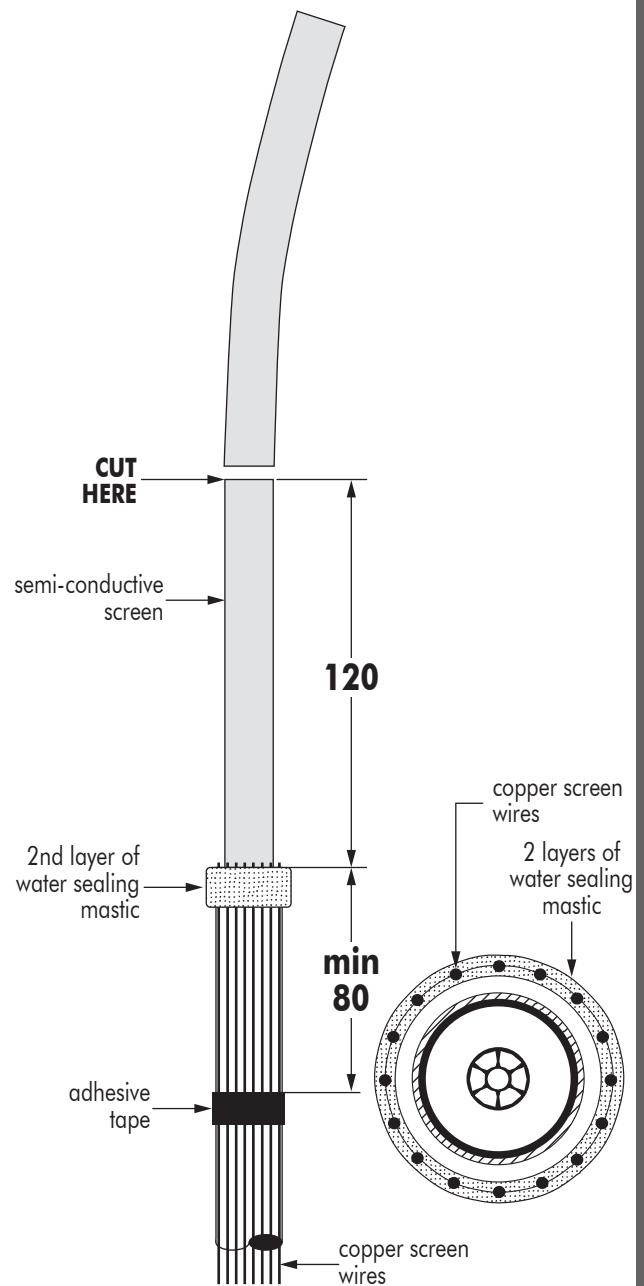


**NB : Only one phase is shown in these instructions. Make off all three phases the same way. Use a cable conversion kit for 3-core cables.**

## CABLE PREPARATION



- 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 cable sheath to a point **125** mm from the centre line « **M** » of the bushing.
- 4** Wrap a first layer of water sealing mastic around the outer sheath, slightly stretched.



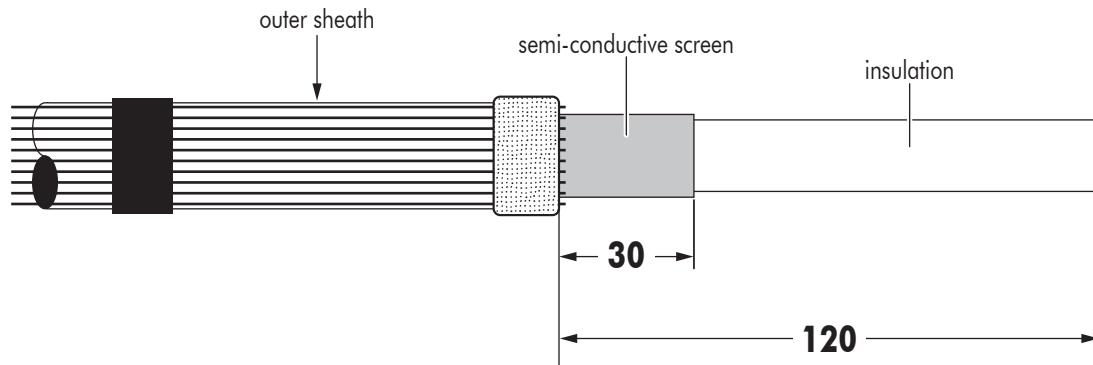
- 5** Bend the screen wires back over the outer sheath, pressing them into the mastic.  
Note: screen wires should not touch or overlap each other to prevent water ingress.
- 6** Using adhesive tape, fix the screen wires at a distance of min **80** mm from the edge of the outer sheath.
- 7** Apply a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



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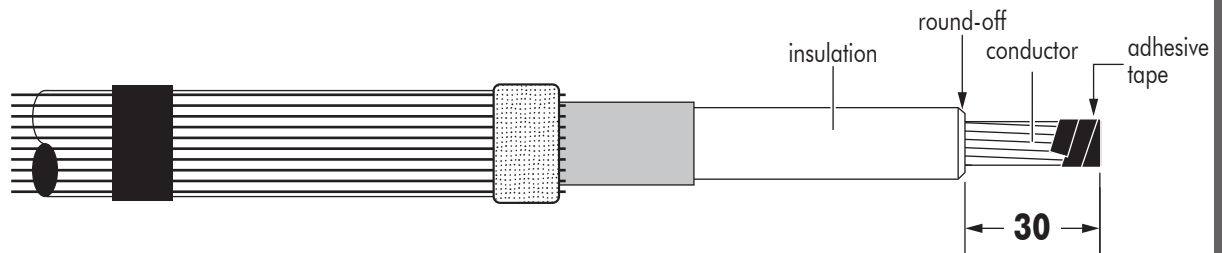


## SEMI-CONDUCTIVE SCREEN REMOVAL



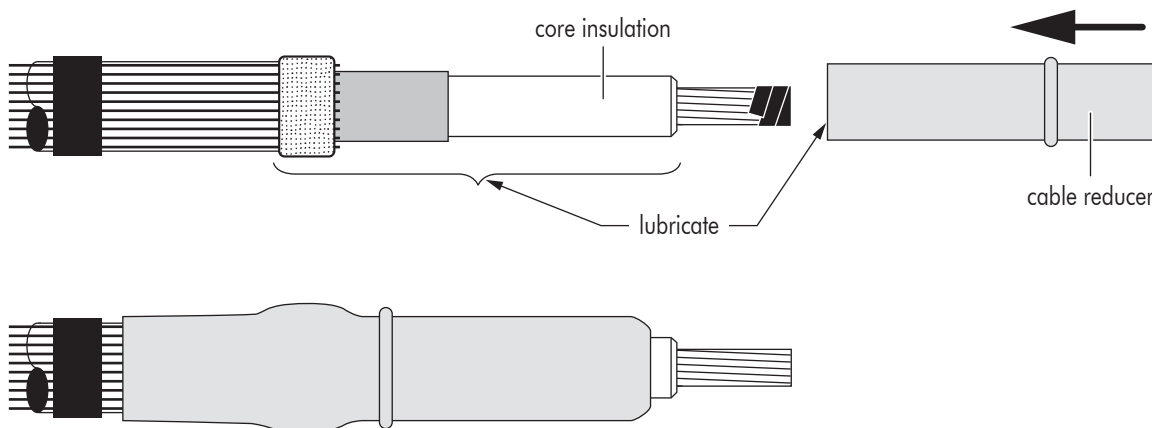
- 1 Check distance of **120** mm.
- 2 Remove the semi-conductive screen to a point **30** mm from the outer sheath.  
**For extruded easy strip semi-conductive screen:**  
 Cut squarely taking care not to cut the core insulation.  
**For bonded extruded semi-conductive screen:**  
 Use an appropriate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

## REMOVAL OF THE CORE INSULATION



- 1 Remove the core insulation from the conductor for a distance of **30** mm.
- 2 Slightly round-off 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 : cable surface and inner surface of the reducer.
- 2 Slide the reducer down the cable.
- 3 Remove the protective adhesive tape from the conductor.

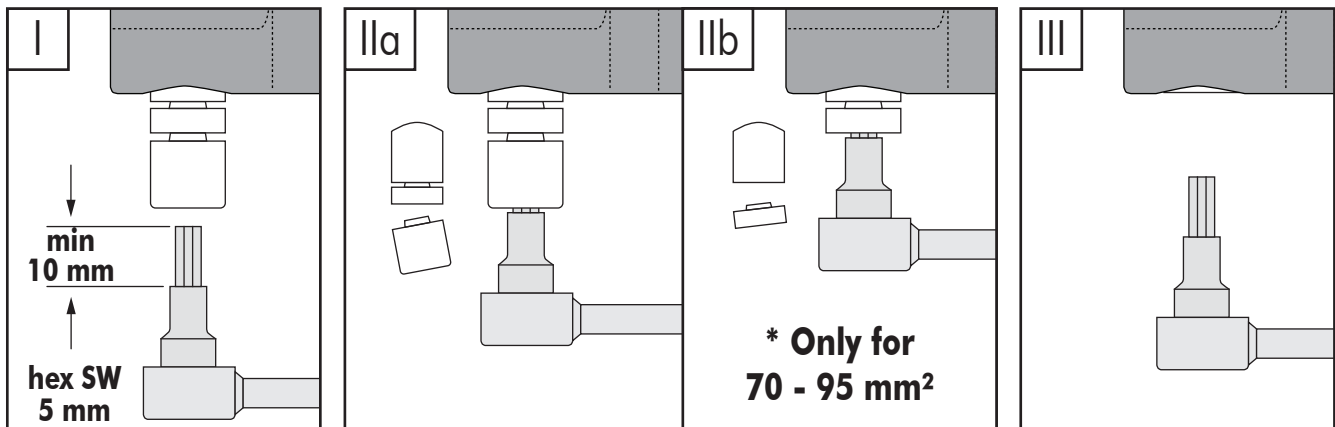
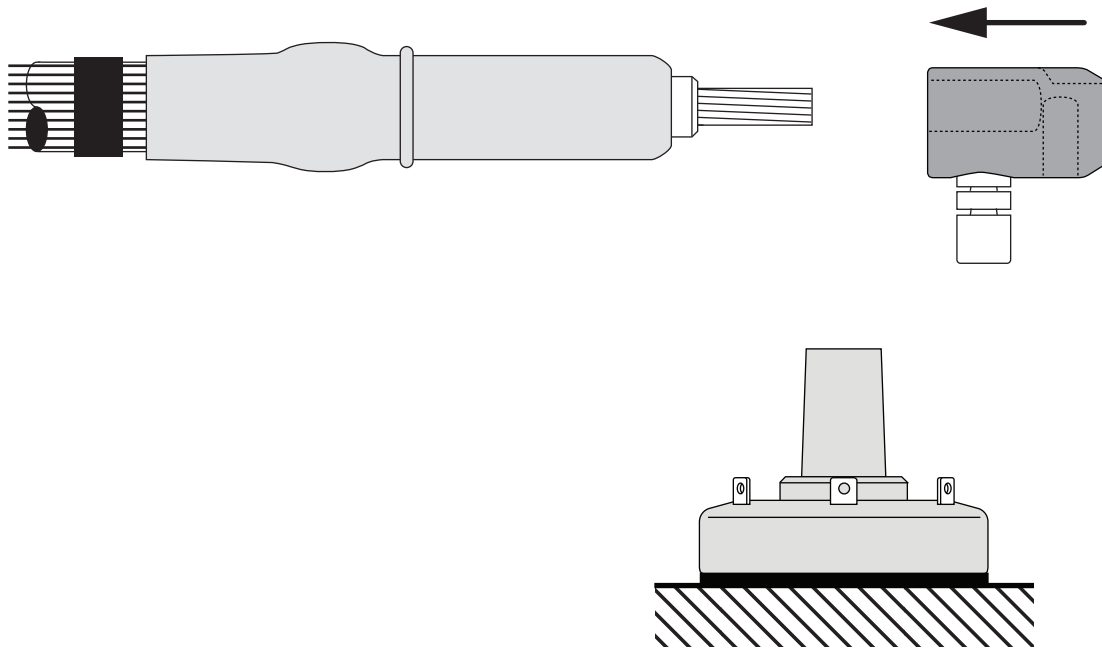
\* USE ONLY THE SILICONE LUBRICANT SUPPLIED



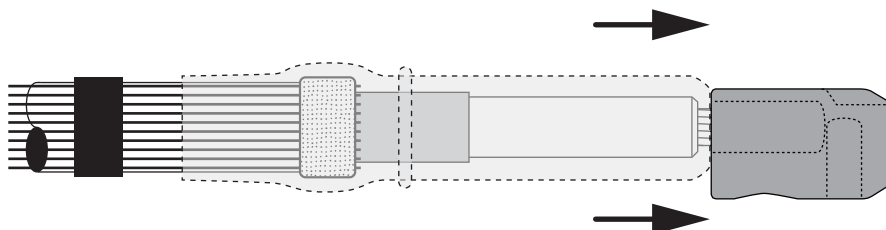
FOR INFORMATION ONLY Please always use the instructions supplied in the kit



## TIGHTENING OF THE CONTACT



- 1** For aluminium conductors, wire brush the conductor to break up the oxide layer and insert into barrel immediately.
- 2** Install the contact with the contact palm facing the bushing interface.
- 3** Tighten the contact until the bolt head shears off.  
It is recommended to use the holding tool for ease of installation.  
(\* ) For 70 - 95 mm<sup>2</sup>, tighten again until the second level of the bolt head shears off.



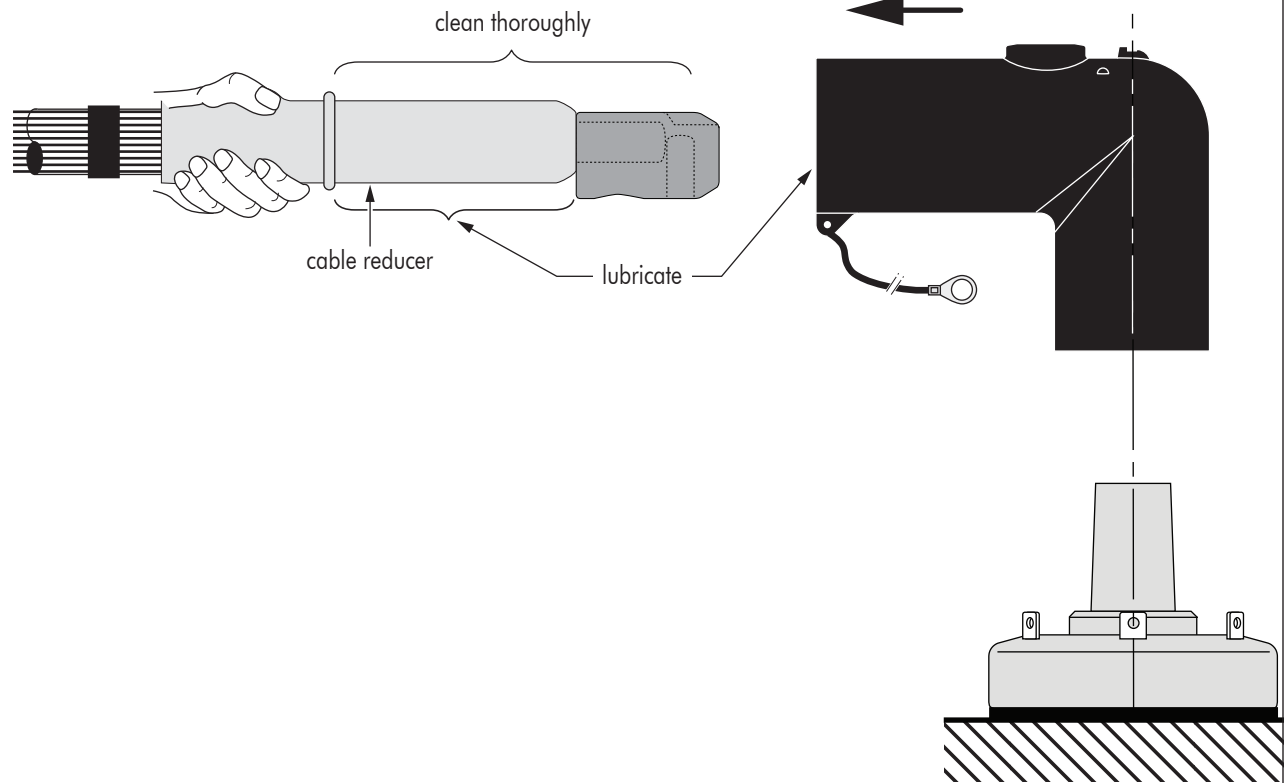
- 4** After tightening the contact, slide the cable reducer up until it butts against the contact.



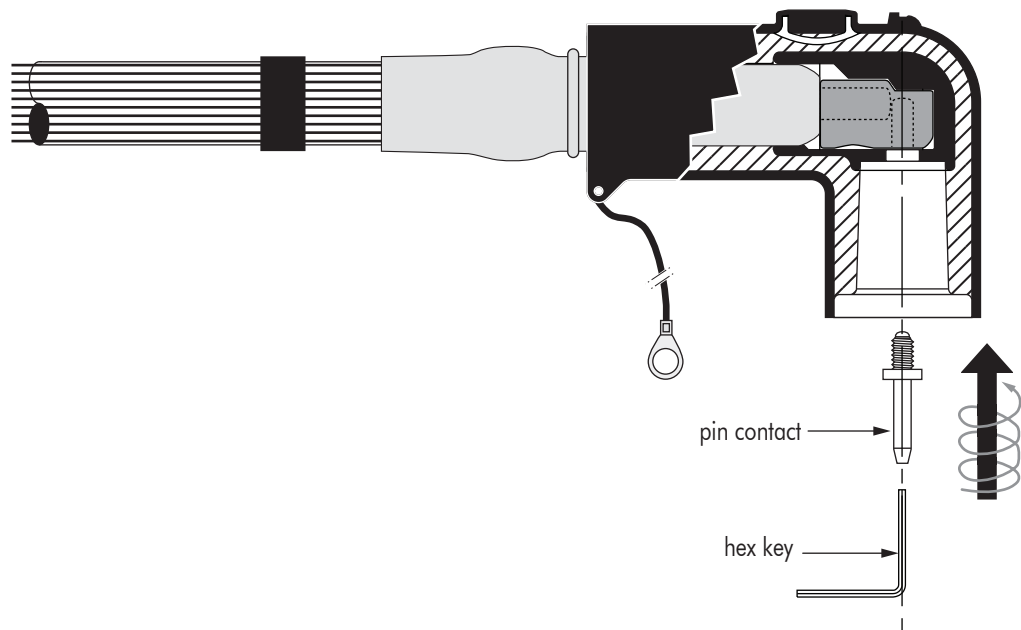
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## CONNECTOR INSTALLATION ON THE CABLE



- 1 **Thoroughly clean cable reducer and contact.**
- 2 Lubricate\* the cable reducer and inside surface of the connector.
- 3 Hold the cable reducer with one hand, whilst sliding the connector housing onto the reducer until it cannot advance any further.



- 4 Insert the supplied hex key into the pin contact. Insert the threaded end of the pin contact into the mating part and engage threads. **Take care not to cross threads.**
- 5 Tighten with the supplied hex key until the key has taken a set.

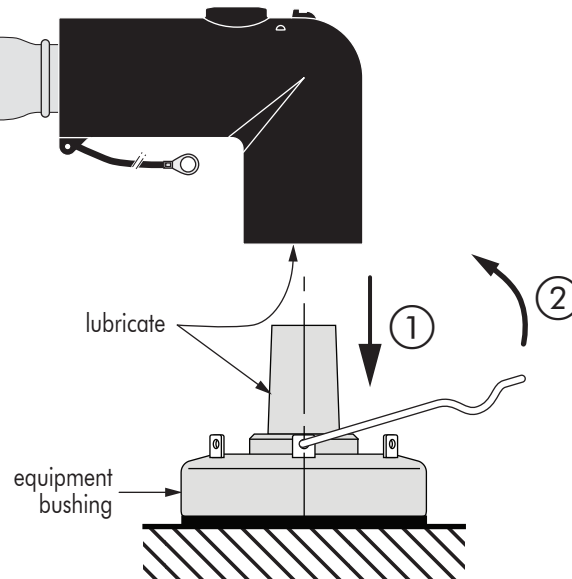
**NOTE:**

- The hex key must be inserted in the pin contact until it cannot advance any further.
- The hex key is only usable twice (once every side).

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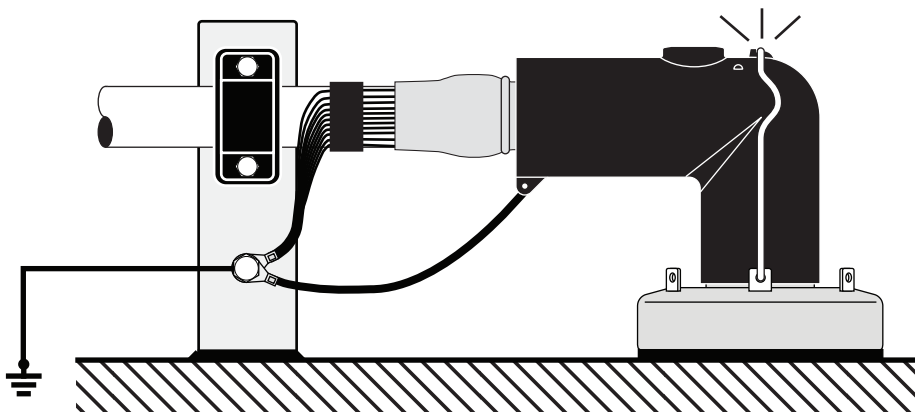
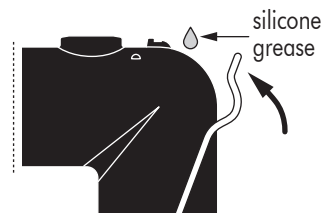
## CONNECTOR INSTALLATION ON THE BUSHING

- 1 Clean and lubricate\* both bushing interface and elbow connector interface.
- 2 Place the elbow connector firmly down on the bushing ①.
- 3 Insert bail into the bushing tabs and position bail over elbow connector ②.



### Installation hint :

Apply a small dash of silicone grease on the connector's surface to easily snap the bail into position.



- 4 Twist screen wires to form a pig tail.
- 5 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 connector from energised equipment nor energise a disconnected connector without previously installing an appropriate mating part.
- 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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