

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

Installation Instructions Separable Straight Connector - CENELEC interface type A

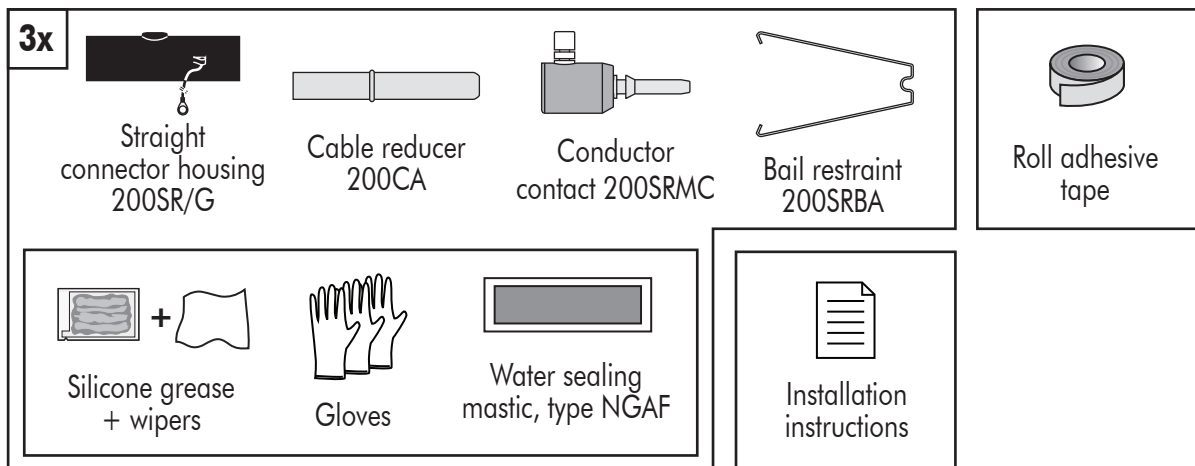


Only to be used on copper wire screened cable with extruded semi-conductive screen and conductors of copper or aluminium.

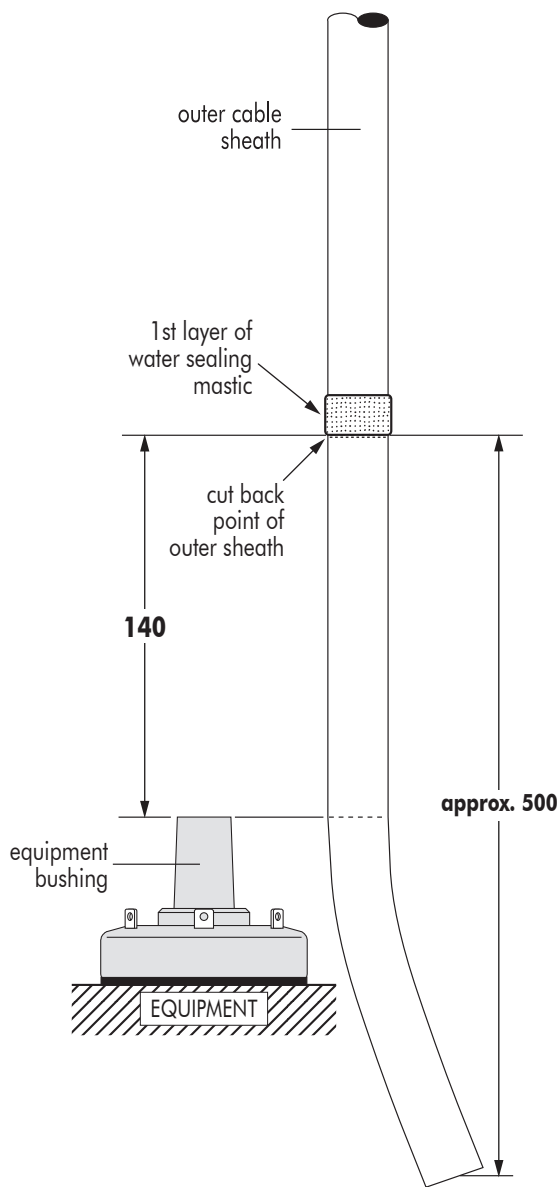
Check if the diameter over cable core insulation is in accordance with the cable reducer range as indicated in table below:

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

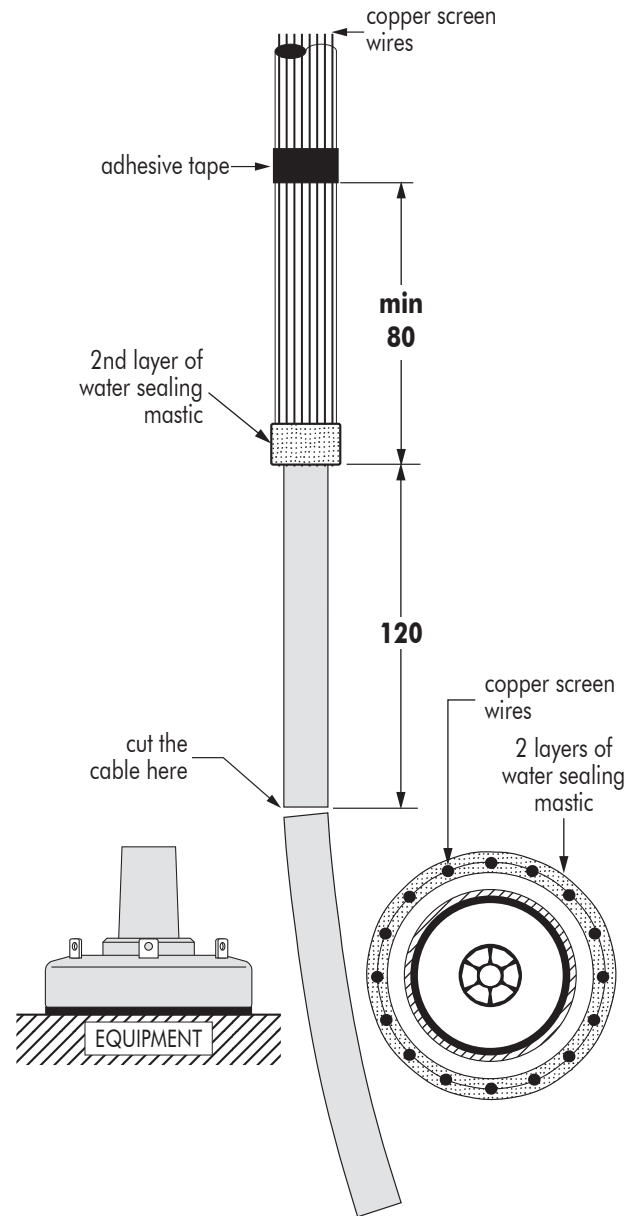
Contents :



## CABLE PREPARATION

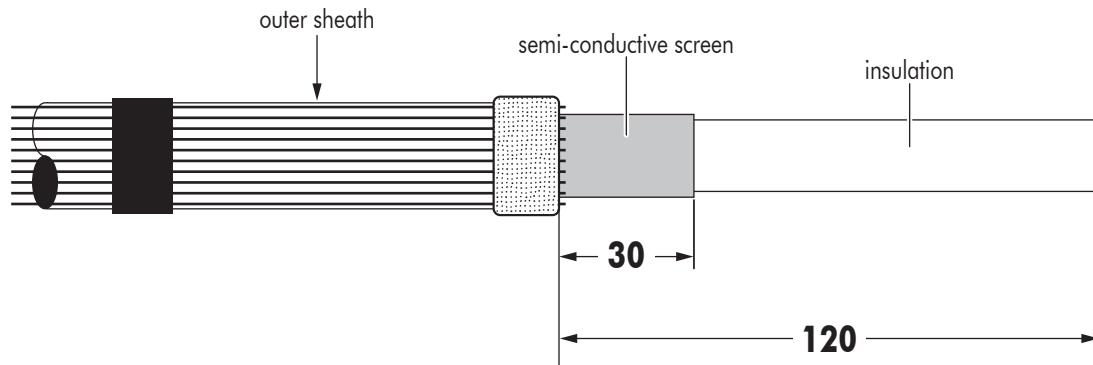


- 1 Train the cable into the approximate finished position next to the equipment bushing.
- 2 Remove the outer sheath to a point **140** mm from the face of the bushing.
- 3 Wrap a first layer of water sealing mastic around the outer sheath, slightly stretched.



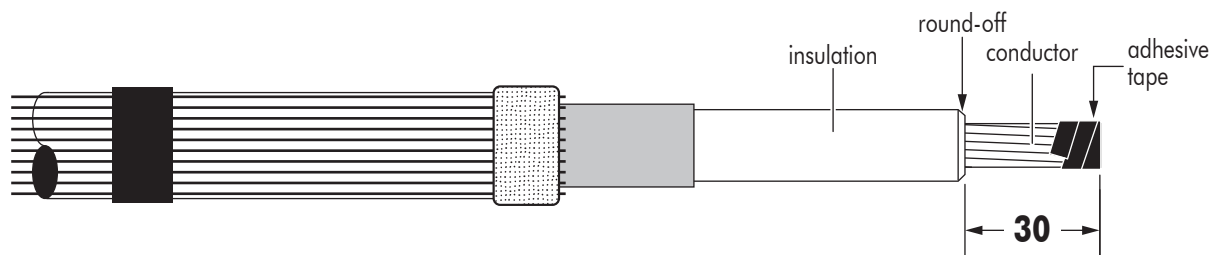
- 4 Bend the screen wires back over the outer sheath, pressing them into the mastic.  
Note: screen wires should not touch or overlap each other to prevent water ingress.
- 5 Using adhesive tape, fix the screen wires at a distance of min **80** mm from the edge of the outer sheath.
- 6 Apply a second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

## SEMI-CONDUCTIVE SCREEN REMOVAL



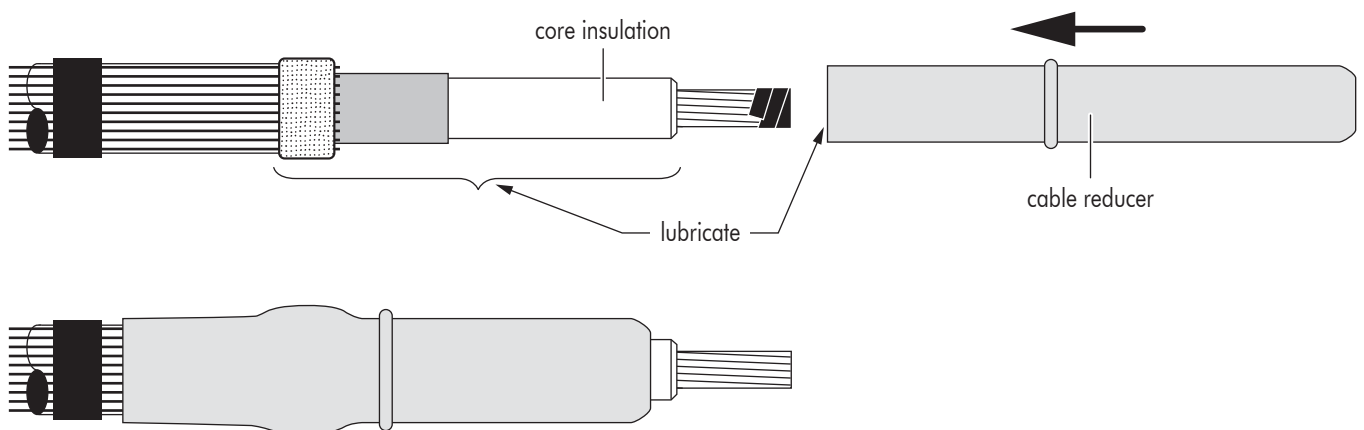
- 1 Check distance of **120** mm.
- 2 Remove the semi-conductive screen to a point **30** mm from the outer sheath.
  - For extruded easy strip semi-conductive screen:**  
Cut squarely taking care not to cut the core insulation.
  - For bonded extruded semi-conductive screen:**  
Use an appropriate pencilling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

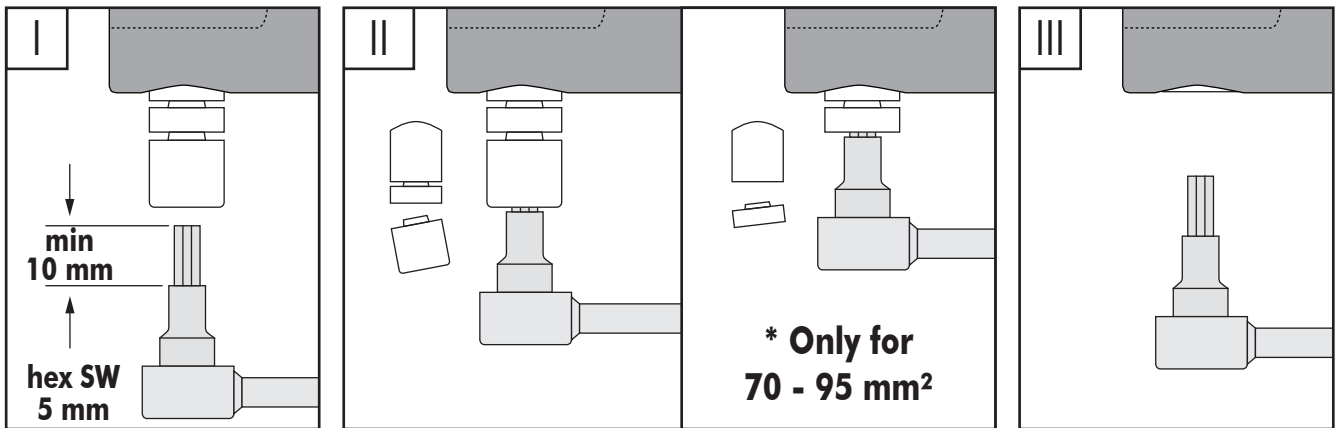
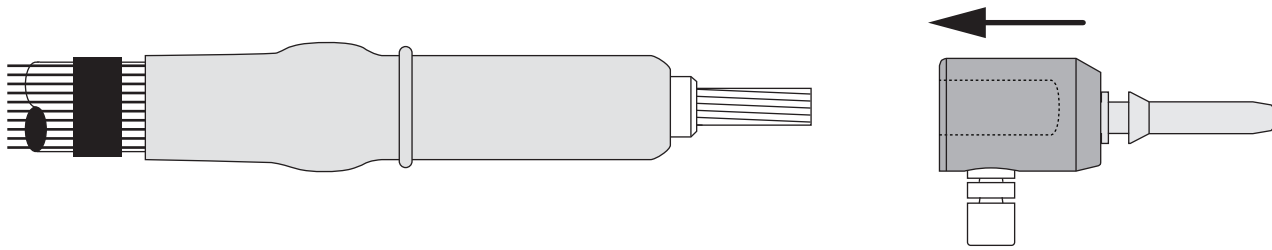
## INSTALLATION OF THE CABLE REDUCER



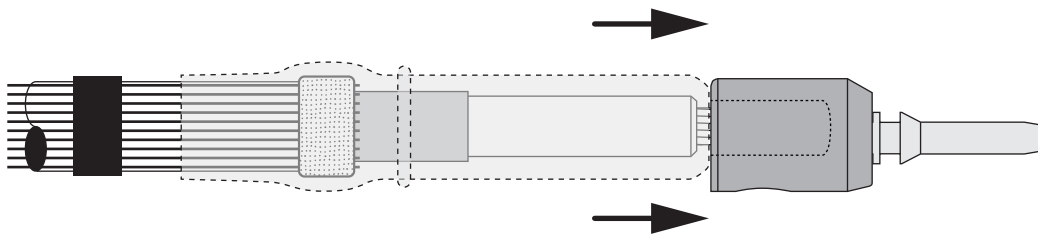
- 1 Lubricate\* the indicated area : cable surface and inner surface of the reducer.
- 2 Slide the reducer down the cable.
- 3 Remove the protective adhesive tape from the conductor.

\* USE ONLY THE SILICONE LUBRICANT SUPPLIED

## TIGHTENING OF THE CONTACT

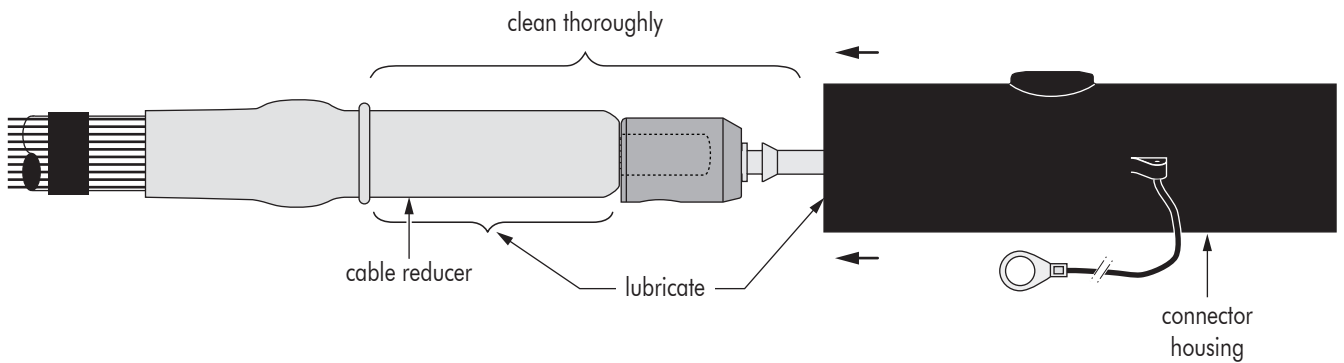


- 1 Install the contact with the contact palm facing the bushing interface.
- 2 Tighten the contact until the bolt head shears off.  
(\*) For 70 - 95 mm<sup>2</sup>, tighten again until the second level of the bolt head shears off.



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

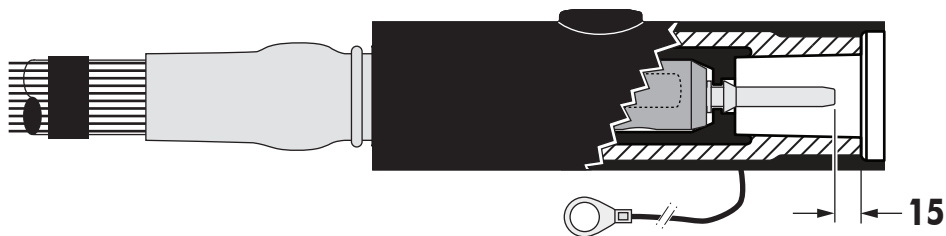
## CONNECTOR INSTALLATION ON THE CABLE



### 1 Thoroughly clean cable reducer and contact.

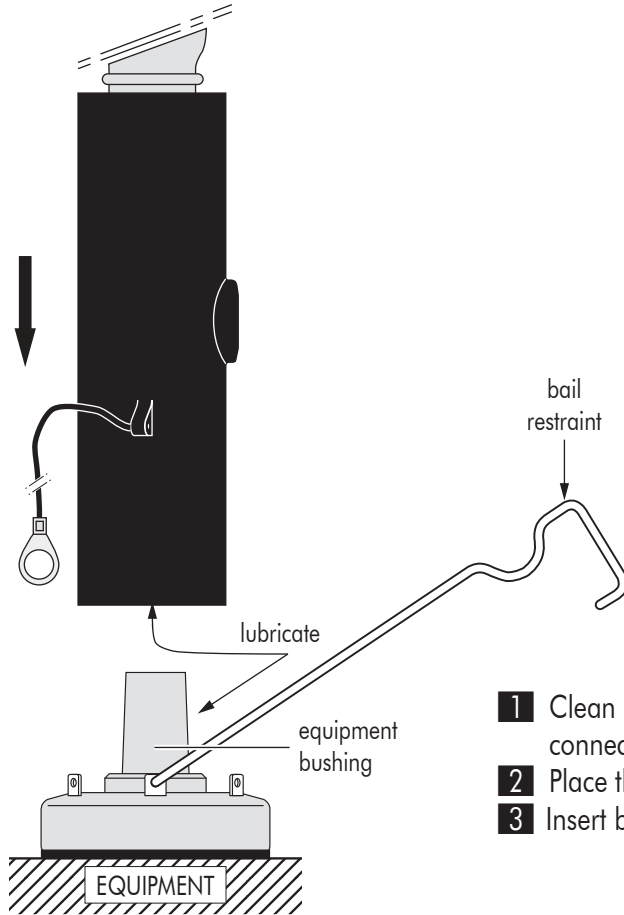
Always wipe towards the screen wires.

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

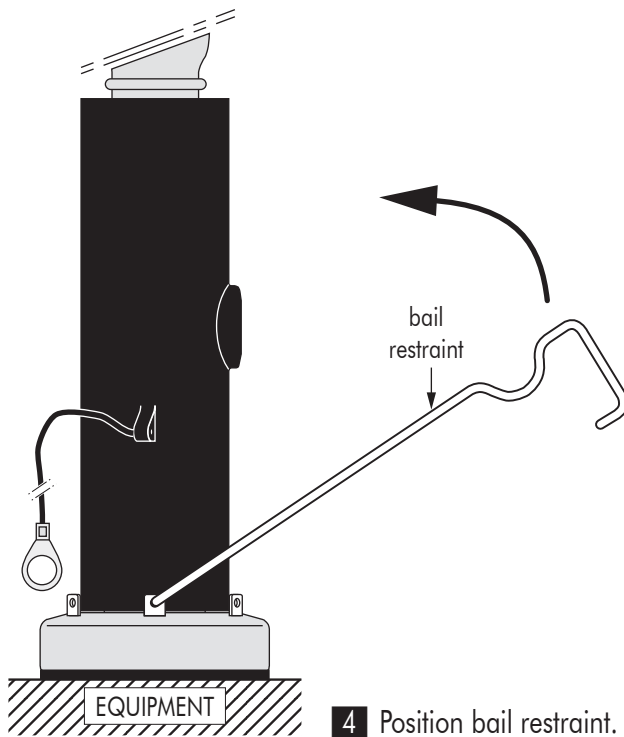


### 3 Slide the connector housing on to the reducer, until the pin contact locks into the connector as shown. Check dimension of **15** mm.

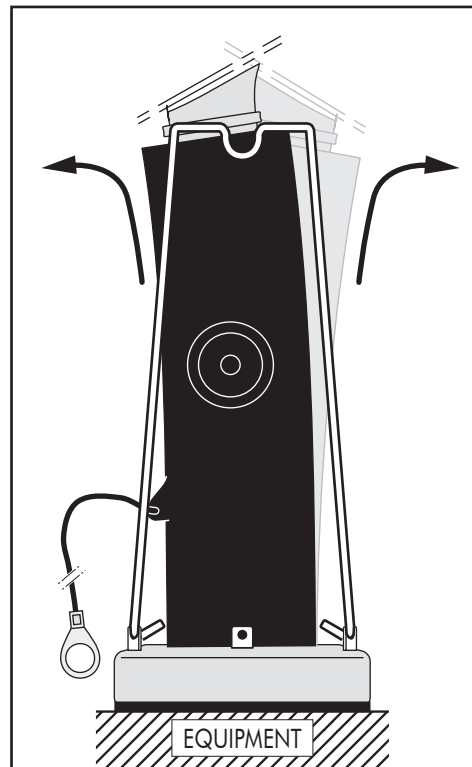
## CONNECTOR INSTALLATION ON THE BUSHING



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



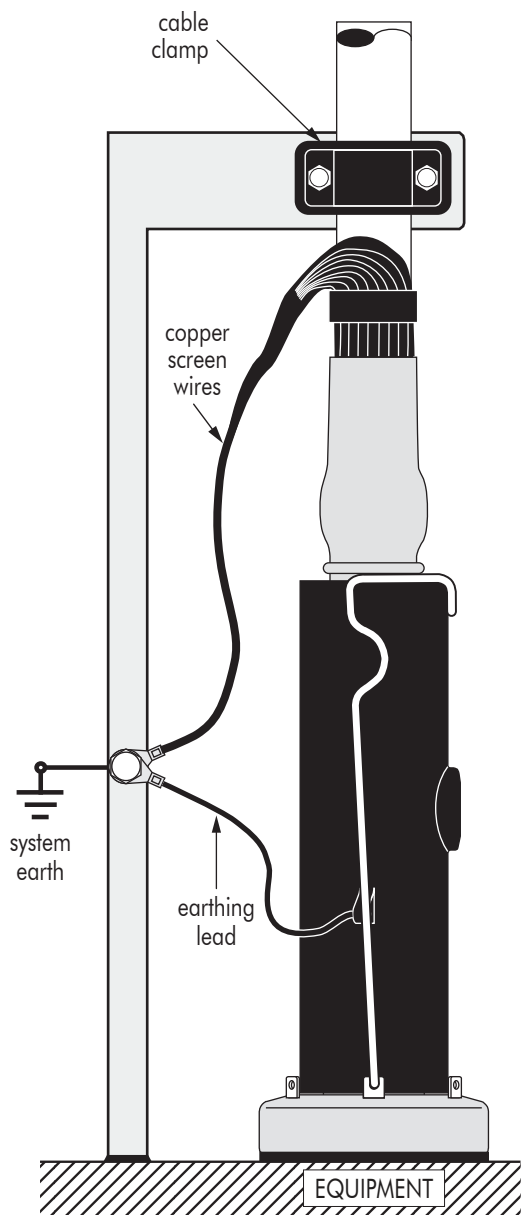
- 4** Position bail restraint.



### Installation hint :

if necessary, slightly bend the straight connector left-right to let the bail snap into position.

## 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 connector from energised equipment nor energise a disconnected straight 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.