

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

Installation Instructions Separable Straight Connector - CENELEC interface type A

EUROMOLD®



(K)200SR




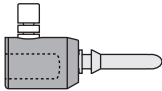
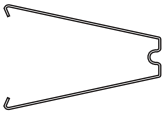


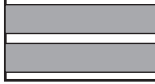


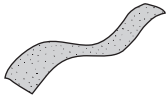


Up to 24 kV

- For indoor and outdoor applications.
- Only for cables NF C 33-226, UTE C 33-223, NF C 33-223 & HN 33-S-23 [Part 1], NF C 33-220 (HN 33-S-22) with graphite coating screen [Part 2], NF C 33-220 (HN 33-S-22) with extruded semi-conductive screen [Part 3].
- In case the ambient temperature is less than 0°C, it could be necessary to warm up the sealing mastic and tape.

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
200CA-19	21.5	28.5

Contents :

3x		OR				
	Straight connector housing 200SR/G		Straight connector housing 200SR/G-VD	Cable reducer 200CA	Conductor contact 200SRMC	Bail restraint 200SRBA
						
Silicone grease + wipers			Gloves	Water sealing mastic, type B36		
						
3 x Earthing device			6 x Stainless steel straps			
						
1 x Sand paper	Roll adhesive tape	Installation instructions				

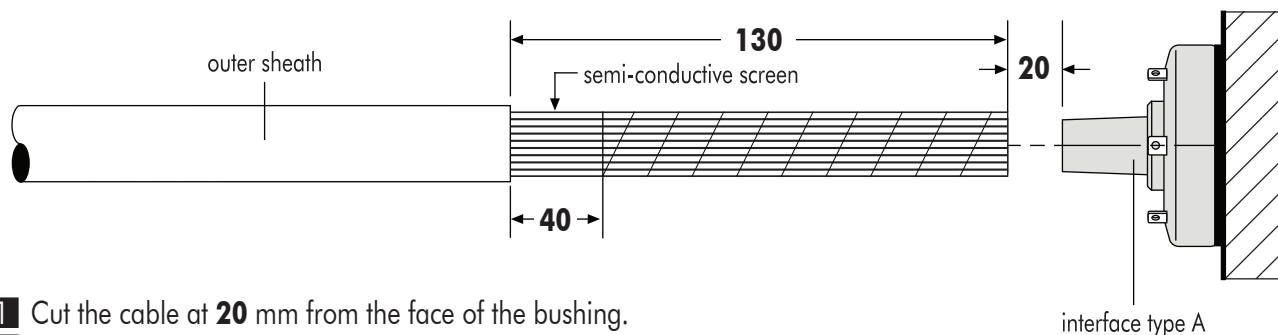
Part 1. Cable NF C 33-226, UTE C 33-223, NF C 33-223 & HN 33-S-23



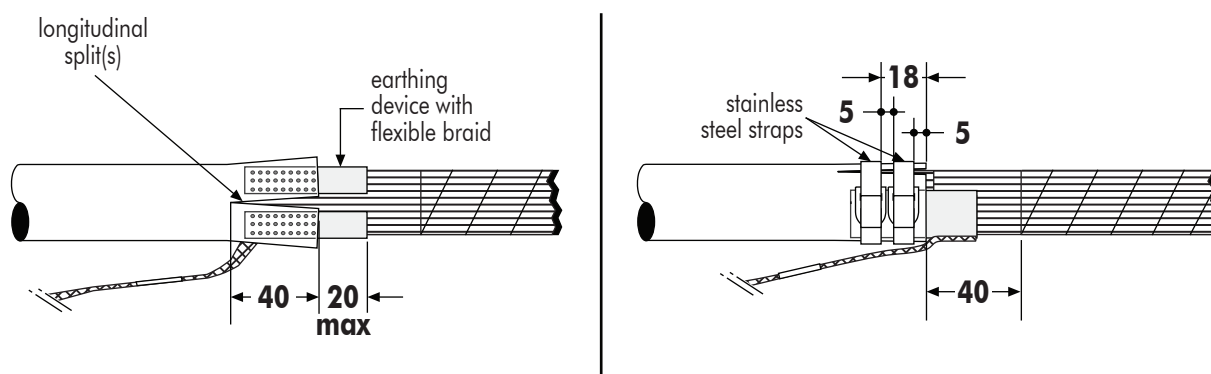
For the preparation of the NF C 33-226 cables, please refer to the corresponding instructions marked on the cable: POPY, NIKOL or VINYL.



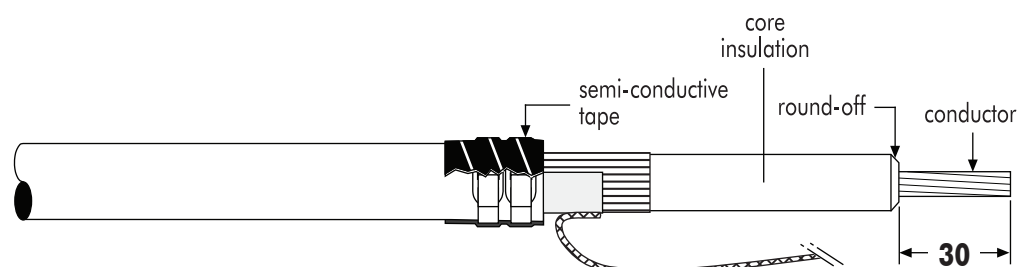
CABLE PREPARATION AND SCREEN EARTHING



- 1** Cut the cable at **20** mm from the face of the bushing.
- 2** Remove the outer sheath for a distance of **130** mm.
- 3** Using an appropriate tool, remove the extruded semi-conductive screen to a point **40** mm from the outer sheath.

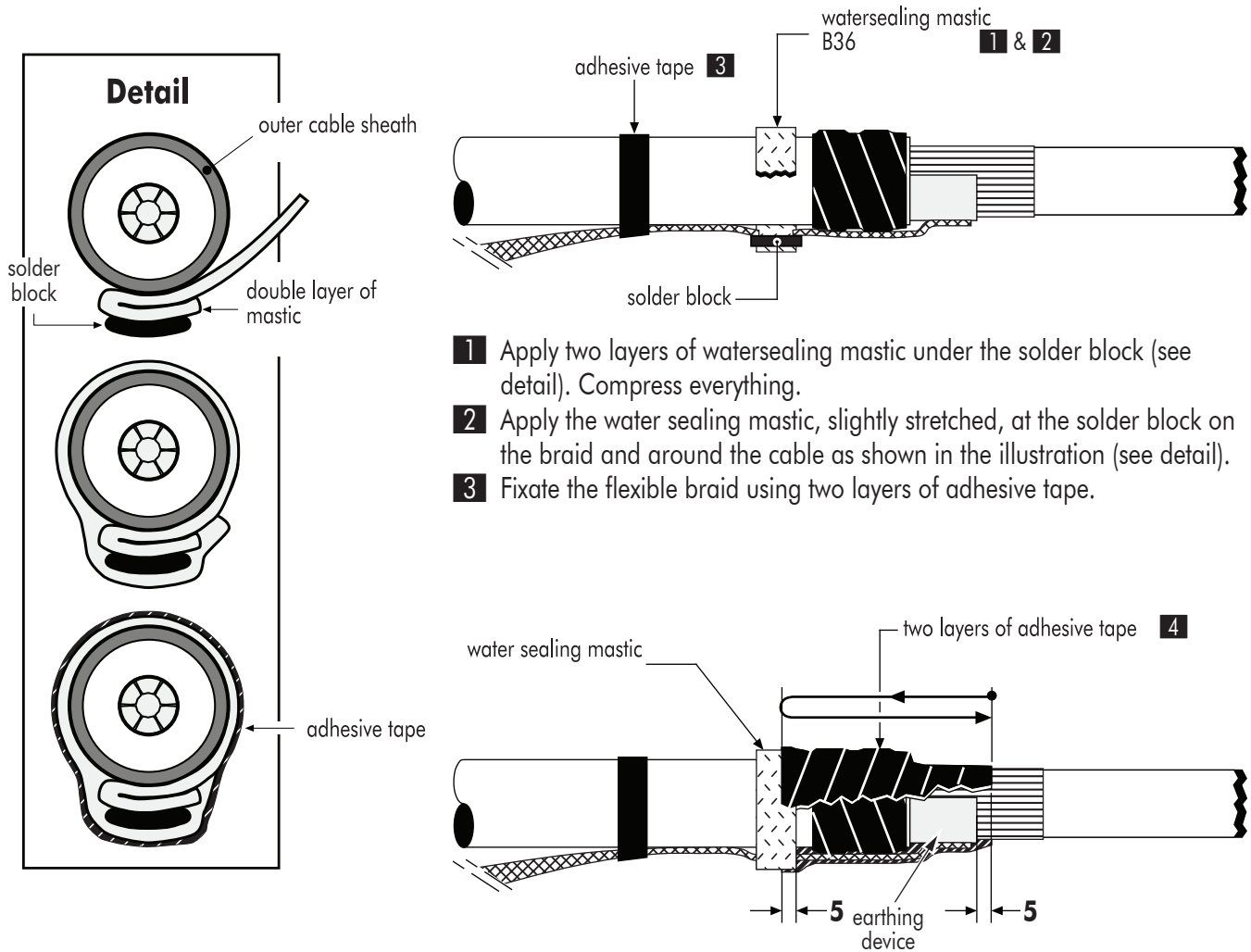


- 4** Cut longitudinal split(s) in the outer sheath to a point **40** mm from the edge.
- 5** Using a blunt tool, make a slight funnel of the outer sheath to fit the earthing device underneath the sheath.
- 6** Install the earthing device underneath the outer sheath, protruding for a distance of max. **20** mm.
- 7** Cleat the outer sheath using the stainless steel straps. Twist straps twice around the cable and fold back the ends to avoid sharp edges.



- 8** Apply one layer of semi-conductive tape around the metal straps (50% stretch, 50% overlap). Ensure the split is covered.
- 9** Bare the conductor for a distance of **30** mm from the cable end.
- 10** Slightly round-off the edge of the core insulation.
- 11** Remove the extruded conductive screen.

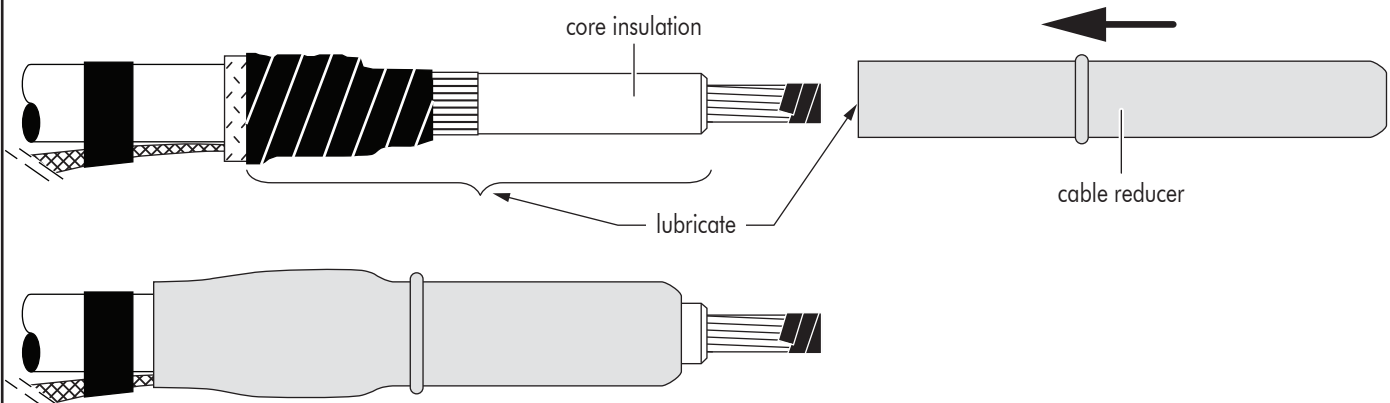
WATERSEALING



- 1** Apply two layers of watersealing mastic under the solder block (see detail). Compress everything.
- 2** Apply the water sealing mastic, slightly stretched, at the solder block on the braid and around the cable as shown in the illustration (see detail).
- 3** Fixate the flexible braid using two layers of adhesive tape.

- 4** Apply two layers of adhesive tape, overlapping the water sealing mastic by **5** mm and overlapping the earthing device by **5** mm.

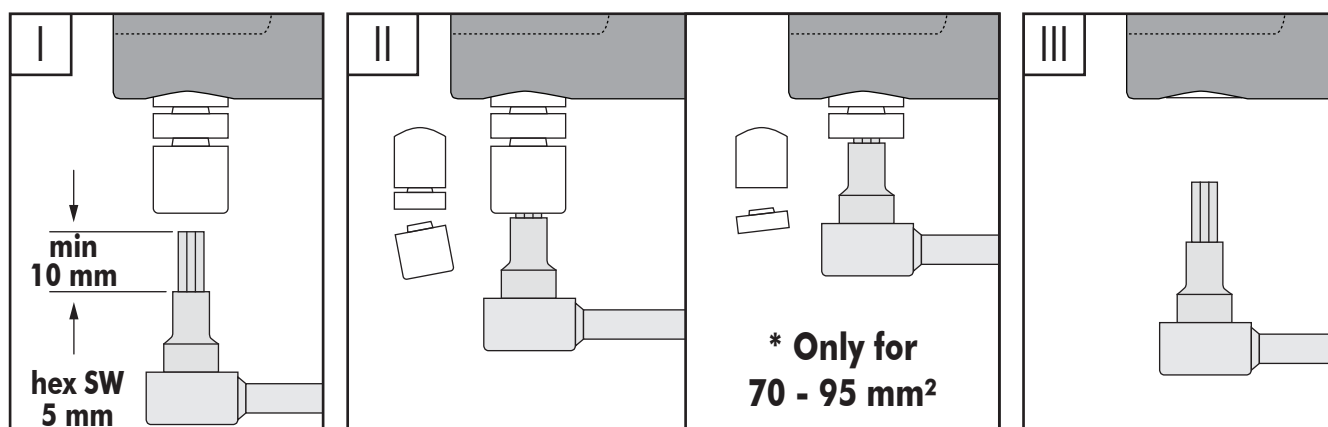
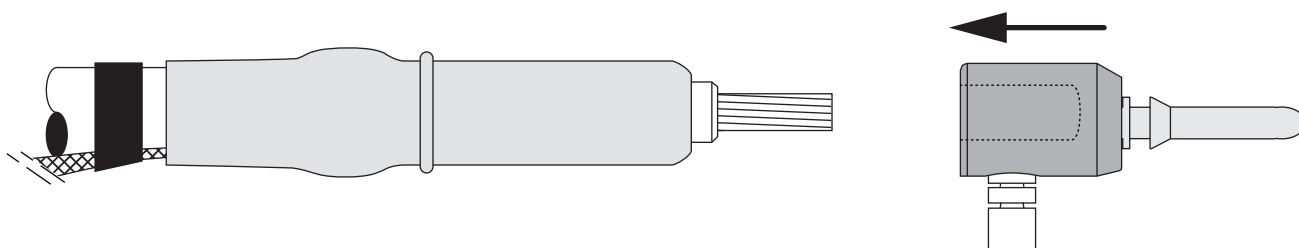
INSTALLATION OF THE CABLE REDUCER



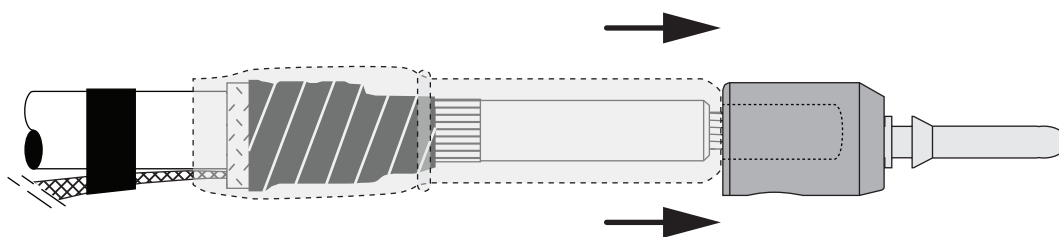
- 1** As a protection, wrap a few turns of adhesive tape around the conductor end.
- 2** Lubricate* the indicated area : cable surface and inner surface of the reducer.
- 3** Slide the reducer down the cable.
- 4** Remove the protective adhesive tape from the conductor.

* USE ONLY THE SILICONE LUBRICANT SUPPLIED

TIGHTENING OF THE CONTACT

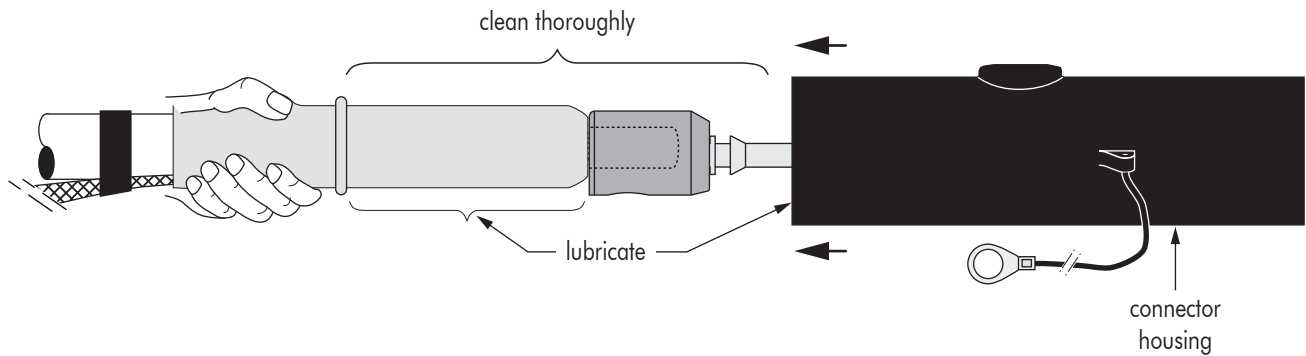


- 1** For aluminium conductors, wire brush the conductor to break up the oxide layer and insert into barrel immediately.
- 2** Tighten the contact until the bolt head shears off.
It is recommended to use the holding tool for ease of installation.
(*) For 70 - 95 mm², tighten again until the second level of the bolt head shears off.

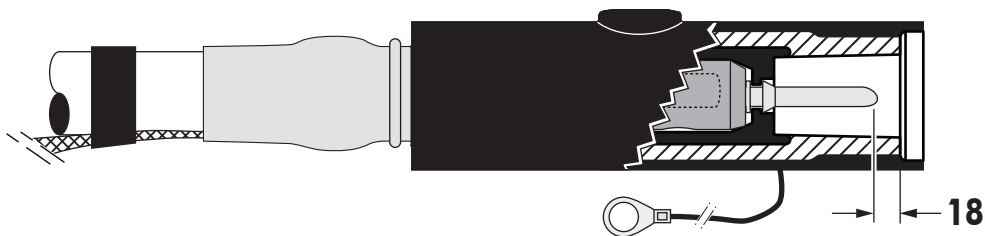


- 3** After tightening the contact, slide the cable reducer up until it butts against the contact.

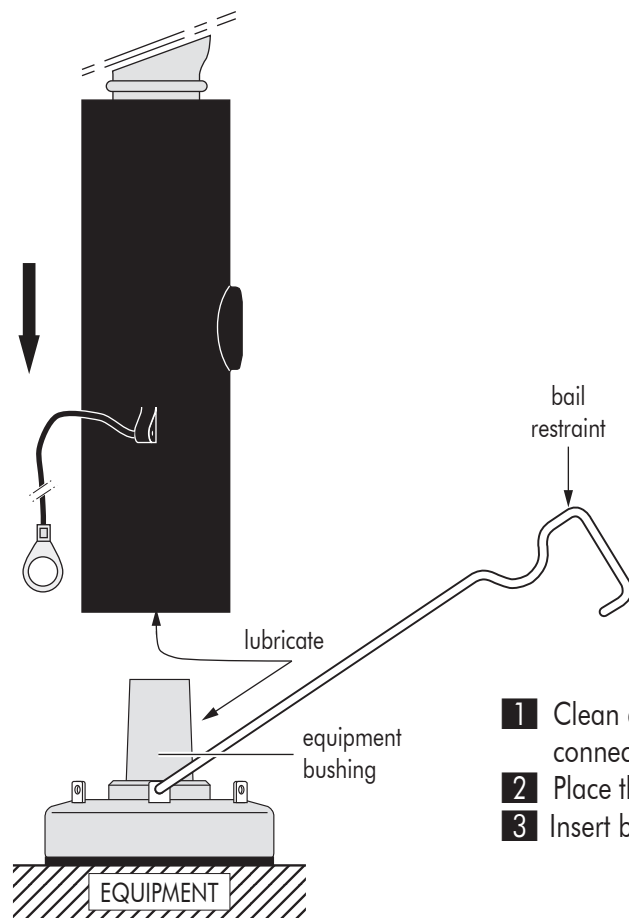
CONNECTOR INSTALLATION ON THE CABLE

**1 Thoroughly clean cable reducer and contact.**

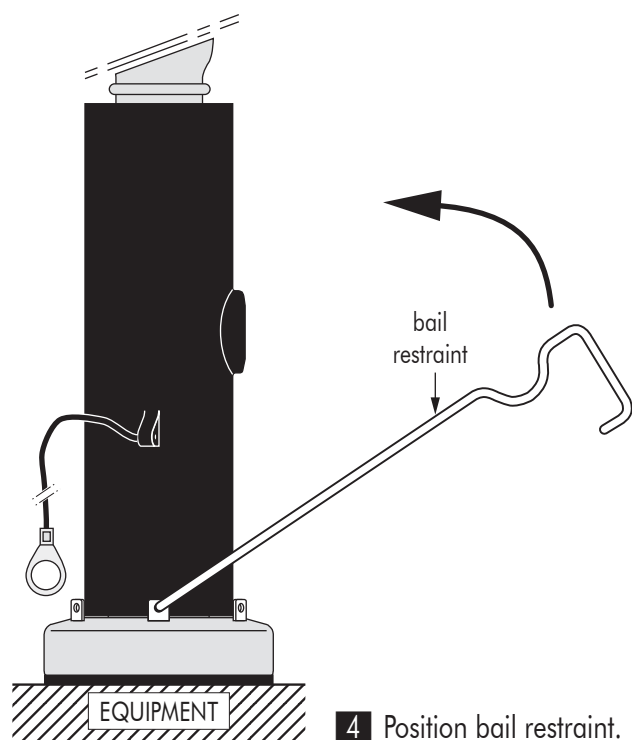
Always wipe towards the screen wires.

2 Lubricate* cable reducer and inside surface of the connector.**3 Hold the cable reducer with one hand, whilst sliding the connector housing on to the reducer, until the pin contact locks into the connector as shown. Check dimension of 18 mm.**

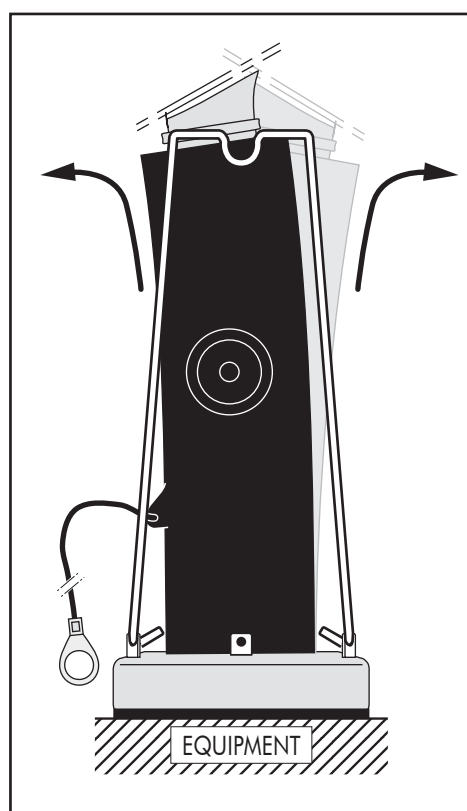
CONNECTOR INSTALLATION ON THE BUSHING



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

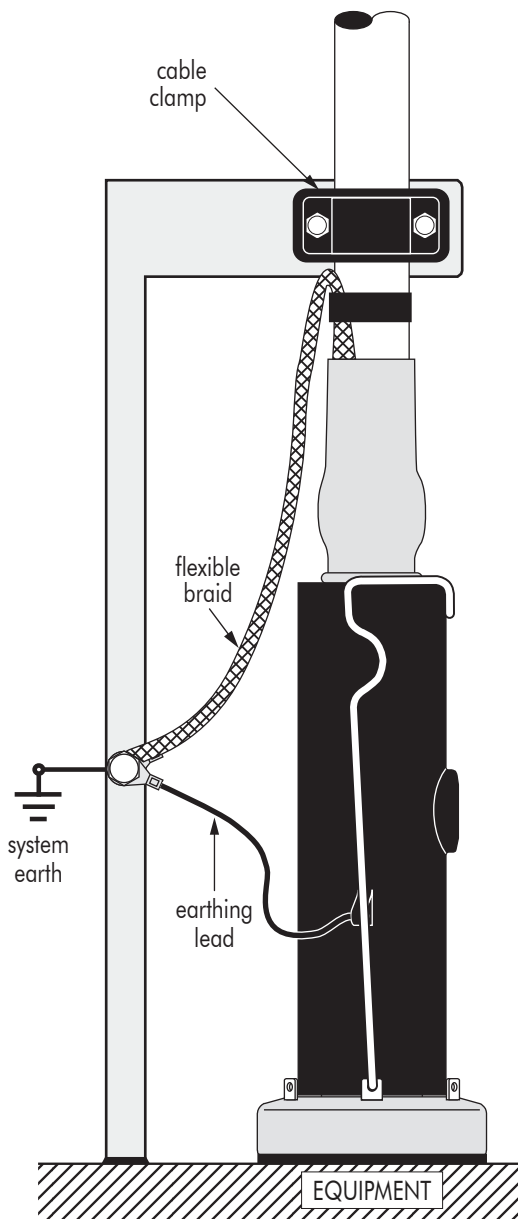


- 4** Position bail restraint.

**Installation hint :**

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

EARTHING AND CABLE CLAMPING



- 1 Connect earthing lead of the connector and flexible braid to the system earth.

NOTE :

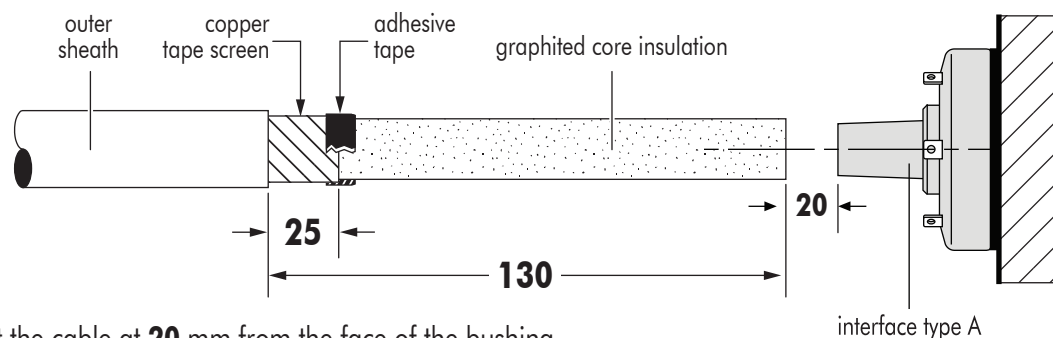
A connector/bushing mated combination should not be allowed to carry the full weight of the cable. Therefore it is necessary to clamp the cable as close as possible to the connector.

IMPORTANT NOTES :

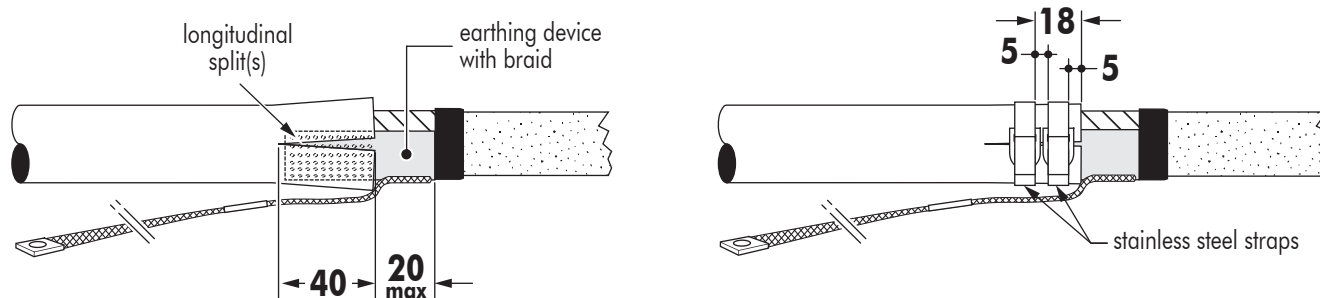
- Never disconnect the straight connector from energised equipment nor energise a disconnected straight connector without previously installing an appropriate mating part.
- Do not allow hydrocarbon oils or solvents to contaminate the E.P.D.M. rubber. In the event of contamination, wipe the surface clean with a dry cloth.

Part 2. Cable with graphite coating screen NF C 33-220 (HN 33-S-22)

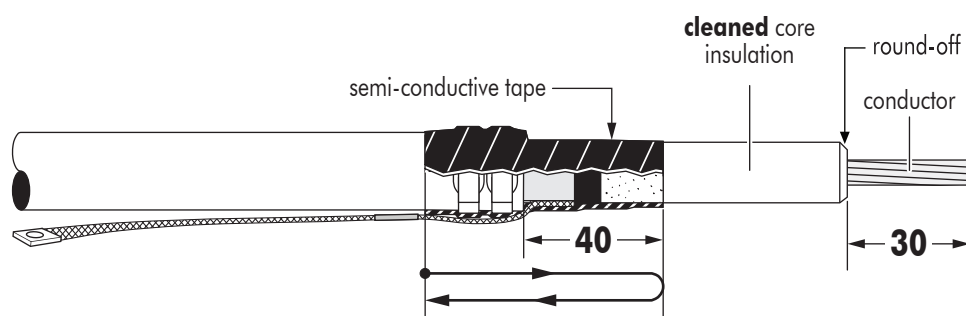
CABLE PREPARATION AND CABLE SCREEN EARTHING



- 1 Cut the cable at **20** mm from the face of the bushing.
- 2 Remove the outer sheath for a distance of **130** mm.
- 3 Remove the copper tape screen and fabric tape to a point **25** mm from the outer sheath and secure it with a wrap of adhesive tape.
Do not remove the graphite varnish at this stage.



- 4 Cut longitudinal split(s) in the outer sheath to a point **40** mm from the edge.
- 5 Using a blunt tool, make a slight funnel of the outer sheath to fit the earthing device underneath the sheath.
- 6 Install the earthing device underneath the outer sheath. Have it protruded by maximum **20** mm.
- 7 Clean the outer sheath using the stainless steel straps. Twist straps twice around the cable and fold back the ends to avoid sharp edges.

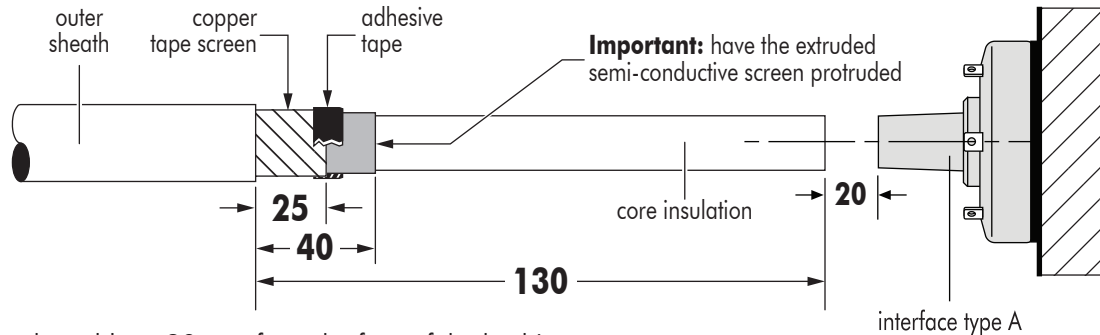


- 8 Apply 2 layers of semi-conductive tape, (50% stretch, 50% overlap), as follows: start taping on the metal straps (ensure the splits are covered), up to a point **40** mm behind the outer sheath. Without cutting the tape, apply a second layer back to the start.
- 9 Remove the core insulation from the conductor for a distance of **30** mm.
- 10 **Using an appropriate solvent thoroughly remove the graphite coating up to the semi-conductive tape.**
- 11 Slightly round-off the edge of the core insulation. **Do not sharpen in cone-shape.**

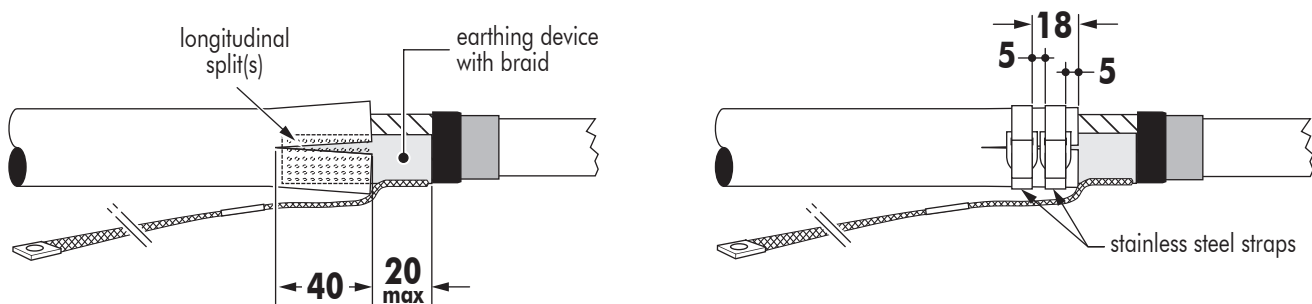
Continue the installation on page 4.

Part 3. Cable with extruded semi-conductive screen NF C 33-220 (HN 33-S-22)

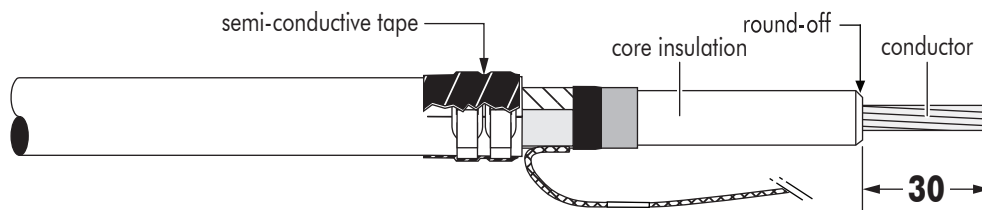
CABLE PREPARATION AND CABLE SCREEN EARTHING



- 1 Cut the cable at **20** mm from the face of the bushing.
- 2 Remove the outer sheath for a distance of **130** mm.
- 3 Remove the copper tape screen to a point **25** mm from the outer sheath and secure it with a wrap of adhesive tape.
- 4 Remove the extruded semi-conductive screen to a point **40** mm from the outer sheath.



- 5 Cut longitudinal split(s) in the outer sheath to a point **40** mm from the edge.
- 6 Using a blunt tool, make a slight funnel of the outer sheath to fit the earthing device underneath the sheath.
- 7 Install the earthing device underneath the outer sheath. Have it protruded by maximum **20** mm.
- 8 Clear the outer sheath using the stainless steel straps. Twist straps twice around the cable and fold back the ends to avoid sharp edges.



- 9 Apply 1 layer of semi-conductive tape, (50% stretch, 50% overlap), on the metal straps (ensure the splits are covered).
- 10 Remove the core insulation from the conductor for a distance of **30** mm.
- 11 Slightly round-off the edge of the core insulation. **Do not sharpen in cone-shape.**

Continue the installation on page 4.