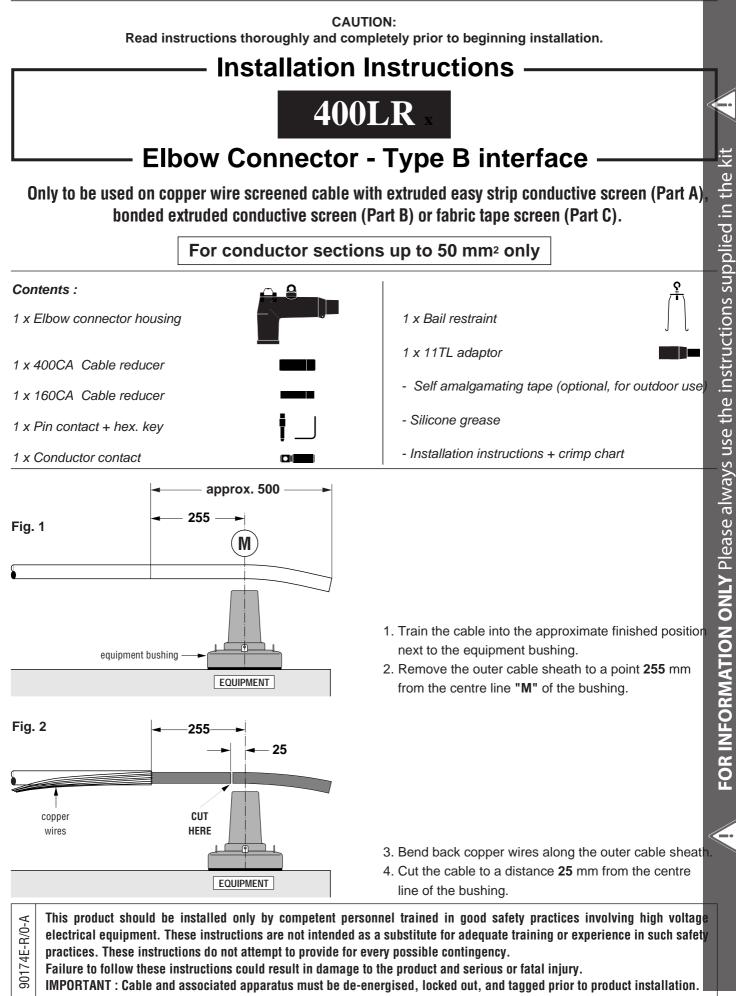


IS 400LR/CA-E-09

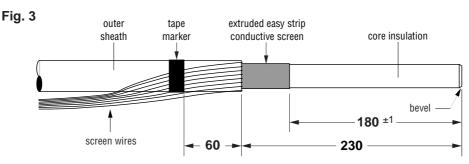
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Part A

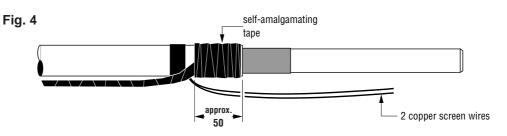


CABLE PREPARATION



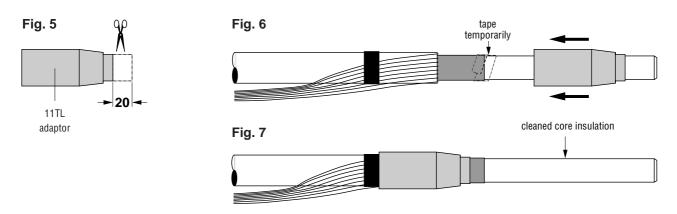
- 1. Check distance of 230 mm.
- 2. Apply a tape marker on the outer sheath ${\bf 60}$ mm from the end.
- 3. Remove the extruded conductive screen to a point 180 \pm^1 mm from the cable end.
- 4. Slightly break the edge of the core insulation.

INSTALLATION OF THE 11TL ADAPTOR



FOR OUTDOOR APPLICATIONS :

From the end of the outer sheath, apply on the outer sheath and the copper wires one layer of self-amalgamating tape over a distance of approx. **50** mm. Also tape the screen wires (except two) for the necessary distance. Bend the two copper wires out of the way. They will be connected to the earthing eye of the connector in a later step.



- 1. Cut the collar of the 11TL adaptor for a distance of 20 mm (Fig. 5).
- 2. As an aid to install the adaptor, it is recommended to wrap one or two layers vinyl tape on the step of the extruded conductive screen (Fig. 6).
- 3. Lubricate core insulation and inside of the adaptor and slide it over the insulation until flush with the tape marker * (Fig. 7).
- 4. Remove the vinyl tape applied in step 2.

USING THE WHITE WIPER, THOROUGHLY CLEAN THE CORE INSULATION. Always wipe towards the screen wires.

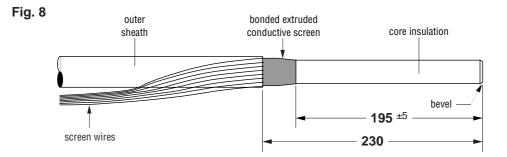
Proceed on page 5 for the installation of the cable reducers

* USE ONLY THE SILICONE LUBRICANT SUPPLIED

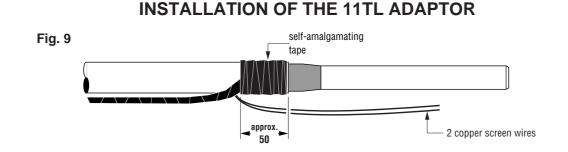


Copper wire screened cable with bonded extruded conductive screen

CABLE PREPARATION

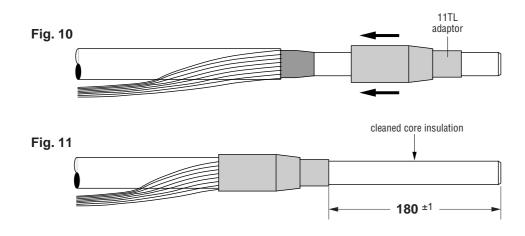


- 1. Check distance of 230 mm.
- 2. Remove the extruded conductive screen to a point **195** ± 5 mm from the end of the crimped contact.
- 3. Slightly break the edge of the core insulation.



FOR OUTDOOR APPLICATIONS :

From the end of the outer sheath, apply on the outer sheath and the copper wires one layer of self-amalgamating tape over a distance of approx. **50** mm. Also tape the screen wires (except two) for the necessary distance. Bend the two copper wires out of the way. They will be connected to the earthing eye of the connector in a later step.



- 1. Lubricate core insulation and inside of the adaptor* (Fig. 10).
- 2. Slide the adaptor up to a point **180** \pm^1 mm from the cable end (Fig. 11). USING THE WHITE WIPER, THOROUGHLY CLEAN THE CORE INSULATION. Always wipe towards the screen wires.

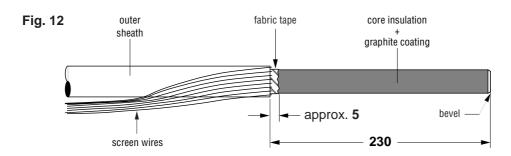
Proceed on page 5 for the installation of the cable reducers

* USE ONLY THE SILICONE LUBRICANT SUPPLIED

Part C

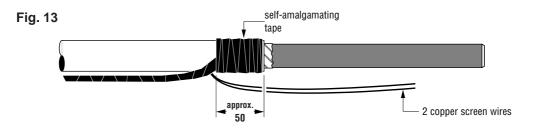
Copper wire screened cable with fabric tape screen

CABLE PREPARATION



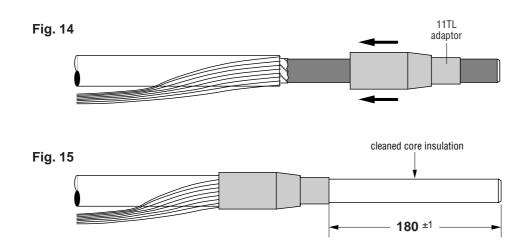
- 1. Check distance of 230 mm.
- 2. Remove the fabric tape to a point approx. **5** mm from the outer sheath. **DO NOT REMOVE THE GRAPHITE VARNISH AT THIS STAGE.**
- 3. Slightly break the edge of the core insulation.

INSTALLATION OF THE 11TL ADAPTOR



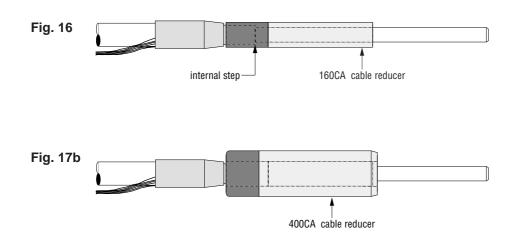
FOR OUTDOOR APPLICATIONS :

From the end of the outer sheath, apply on the outer sheath and the copper wires one layer of self-amalgamating tape over a distance of approx. **50** mm. Also tape the screen wires (except two) for the necessary distance. Bend the two copper wires out of the way. They will be connected to the earthing eye of the connector in a later step.



- 1. Lubricate core insulation and inside of the adaptor* (Fig. 14).
- 2. Slide the adaptor up to a point **180** \pm ¹ mm from the cable end (Fig. 15).
- 3. THOROUGHLY REMOVE THE GRAPHITE COATING USING AN APPROPRIATE SOLVENT Always wipe towards the screen wires (Fig. 15).

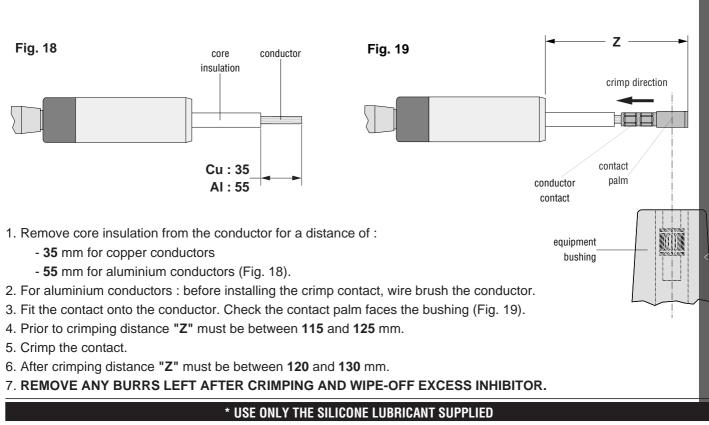
INSTALLATION OF THE CABLE REDUCERS



1. REMOVE ANY TRACES OF CONDUCTIVE RESIDUE FROM THE CORE INSULATION ABOVE THE ADAPTOR END.

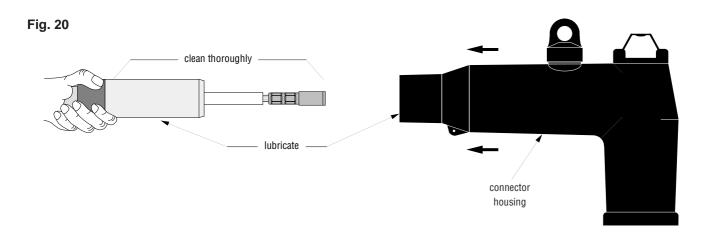
Always wipe towards the screen wires.

- Clean and lubricate core insulation and the inside surface of the 160CA cable reducer *. Slide the reducer down the cable until a very definite resistance is felt as the internal step bottoms on the adaptor (Fig. 16).
- 3. Clean and lubricate outside surface of the 160CA cable reducer and the inside surface of the 400CA cable reducer Slide the 400CA cable reducer over the 160CA reducer until it comes flush with the 160CA reducer (Fig. 17b).

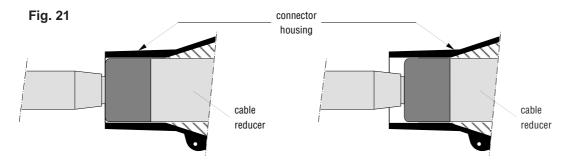


CRIMPING OF THE CONTACT

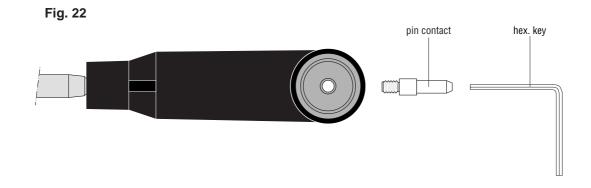
CONNECTOR INSTALLATION ON CABLE



- 1. Clean and lightly lubricate the inside surface of the connector and outer surface of the cable reducer * (Fig. 20).
- 2. Check if the angle of the elbow connector housing is correct relative to the palm of the crimp contact and gently slide the housing on the cable until it cannot advance any further (Fig. 20).



The shoulder of the cable reducer must be flush or inside of the connector housing.



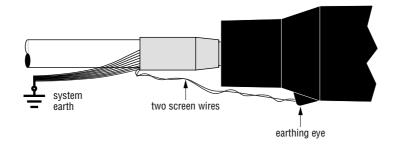
3. Insert the threaded end of the pin contact into the mating part and tighten until the hex. key has taken a set (Fig. 22).

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

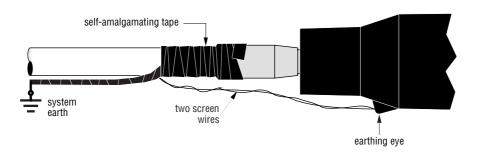
SCREEN EARTHING

Fig. 23 : FOR INDOOR APPLICATIONS

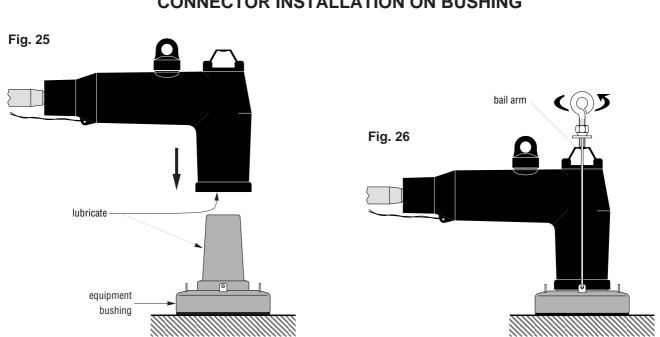


- 1. Connect two copper screen wires to the earthing eye of the connector.
- 2. Connect the screen wires to system earth.

Fig. 24 : FOR OUTDOOR APPLICATIONS



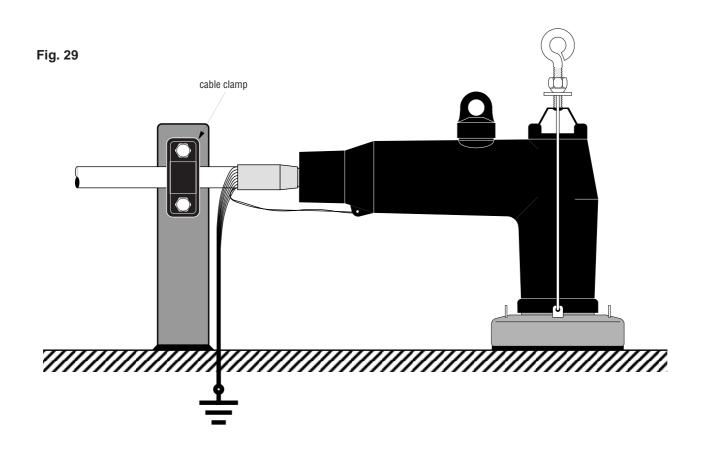
- 1. Using self-amalgamating tape, fabricate a tape seal around the base of the cable reducer and continue the taping overlapping the self-amalgamating tape applied in a previous step.
- 2. Connect the two remaining copper screen wires to the earthing eye of the connector.
- 3. Connect the screen wires to system earth.



CONNECTOR INSTALLATION ON BUSHING

- 1. Clean and lubricate lightly both bushing interface and connector interface * (Fig. 25).
- 2. Push the elbow connector on to the bushing.
- 3. Insert bail arm into the bushing tabs (Fig. 26).
- 4. Position bail arm and tighten eye bolt (Fig. 26).
 - DO NOT APPLY EXCESSIVE FORCE ON THE ELBOW.

CABLE CLAMPING



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 immediately beyond the connector or cable screen adaptor.

* USE ONLY THE SILICONE LUBRICANT SUPPLIED

IMPORTANT NOTES :

- Never disconnect the connector from energised equipment nor energise a disconnected connector without previously installing on its corresponding Stand-off plug (K),(M)400SOP.
- 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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