

Cable joint SK 150/95

The cable joint is suitable as a branch cable joint with earthing and as a “pure” earthing cable joint.

Cable cross-sections at 1 kV:

Main cable 4 x 16 to 4 x 185 SE mm²

Branch cable 4 x 16 to 4 x 50 mm²

LIST OF MATERIALS

1 Cable Joint top shell

1 Cable joint bottom shell, with earthing bolt and direct connection terminal, mounted

1 Housing cover

3 Sealing strips

5 Nuts M8

5 Screws M8

1 Clamp ring

1 Unit potting compound 3,3 L

1 Stirring rod

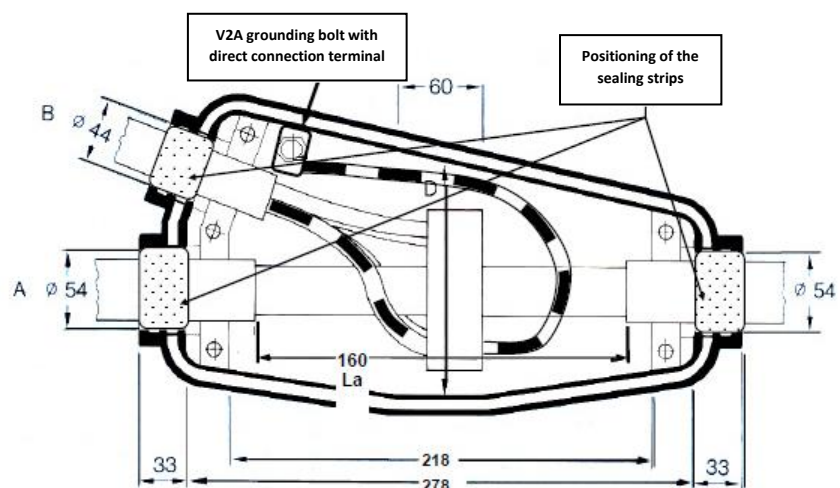
1 Sanding strips

1 Cleaning cloth

$\frac{1}{2}$ Unit Kitt

2 Disposable gloves

5 O-rings (screw fall-out protection)



NOTICE

- Main cable: Remove the cable sheath at the point where the clamping ring is to be mounted over a length of 160 mm (La, marked in the lower shell). Spread the wires open, completely remove the gusset and roughen the outer sheath radially on both sides to a sufficient length (70 mm). For TGL cables, seal the gusset area accordingly with the included Kitt.
- When used as a “pure” earthing cable joint, close the free branch cable passage with a rolled-up sealing strip (enclosed).

- When used as a branch cable joint, strip the branch cable over a length of approx. 400 mm and grind the end of the sheath (70 mm) radially.
- Clean and degrease the cable sheath and conductors thoroughly, e.g. with ISO-RC® Cold Cleaner (cleaning cloth).
- Branch clamp ring: Pre-assemble the branch clamp in the belly area of the mould according to the clamp manufacturer's instructions. Caution! Make sure that the contacts do not penetrate the insulation of the main conductor prematurely. Break out the insulation protection wall at the contact hole in which the earthing conductor is contacted. Strip the protective conductor at the points where the contacts will later be made (direct terminal). Thread the protective conductor through the selected contact hole of the clamp ring and contact it according to the specifications.
- Cable joint assembly: Wrap the enclosed sealing strips around the cable to seal the cable joint outlets so that the end is flush with the inner cable joint edge (278 mm for through cables). Position the cable joint bottom shell, adjusting the cable and conductor if necessary. Contact the end of the earthing conductor to the direct terminal with a tightening torque of approx. 20 Nm. Complete the assembly of the branch clamping ring by tightening the clamping screws. Press the cable joint bottom shell lightly against the foam seal, place the cable joint top shell on top and screw it in place with the enclosed screw material.
- Process the casting resin: Put on gloves.
- Prepare the casting resin, observing the processing instructions on the casting resin container. Open the resin and hardener cans. Pour the hardener into the resin can and mix until the mixture is homogenous. Pour a small amount of the mixture back into the hardener can, mix the entire inside of the can and pour it back into the resin can. Mixing time is 3 minutes in total.
- Pour the casting resin into the cable joint next to the clamping ring. Not onto the clamping ring! Close the cable joint with a lid.
- The cable joint can be put under tension immediately.