

ISO-RC® Branch cable joint AV 185 ZE

The branch cable joint AV 185 ZE is a cast resin cable set for plastic cables in the 1 kV network. The cast resin cable assembly may only be installed by trained specialist personnel. Before assembly, the assembly instructions must be read carefully.

Usable cable types	Main cable (mm ²)	Branch cable (mm ²)
N(A)YY	4 x 70 - 4 x 185	4 x 16 - 4 x 95
N(A)2XY	4 x 70 - 4 x 185	4 x 16 - 4 x 95
N(A)YCWY	3 x 35/35 - 3 x 185/185	3 x 35/35 - 3 x 95/95

Use as a branch cable joint

- Remove sheath of main cable 270 mm (see Fig. 1).
- Grind the cable sheath radially with the enclosed emery cloth (30 mm).
- Spread out the cable cores and remove the gusset cord.
- Align the branch cable above the main cable, remove the cable sheath and the gusset cord.
- Clean conductor insulation and cable sheaths thoroughly, e.g. with ISO cold cleaner (halogen-free, biodegradable).
- Install the clamp according to the clamp manufacturer's instructions, ensuring correct positioning (see Fig. 1).
- Bend the branch cable and cut the conductor to the required length; bend the branch cable conductor as close as possible to the main cable.
- Depending on the cable diameter, remove the socket neck seals at the pre-punched points and position them onto the cable.
- Assemble one mould half as shown in Fig. 1, attach strain relief clamps (see Figs. 2 and 3).
- Slide on the second mould half and screw it hand-tight crosswise. Do not use force.
- Mix the cast resin according to the processing instructions for 3 minutes until a homogeneous colour is achieved; then pour immediately into the mould next to the clamp.
- Do not move or bury the cable joint until the cast resin has cured.
- Use a stirring rod or clean tool to check whether the surface of the resin is solid.
- Close the cable joint with a clip-on cover.
- Cable joint hole can be filled.

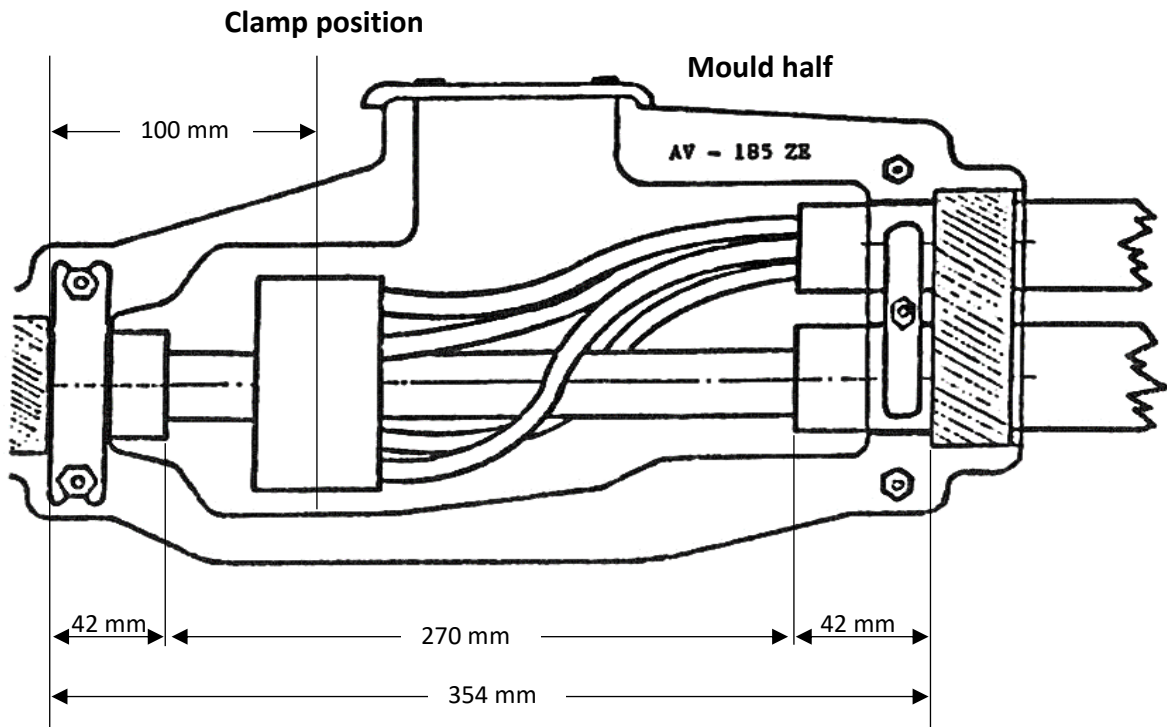


Figure 1

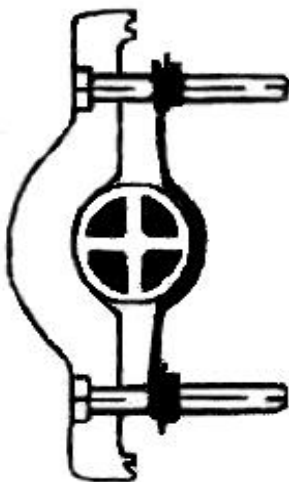


Figure 2

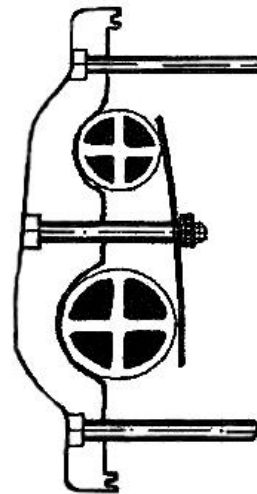


Figure 3

Hand-tight. Do not use force to tighten the screws!