

TIPS AND INSTRUCTIONS

- ✓ This product should be installed by competent personnel familiar with electrical equipment and safe operating practices.
- ✓ Part contained in the kits should be visually inspected for possible damage and installed in accordance with the installation instructions. These instructions are not intended as a substitute for adequate training and experience in good safety practices.
- ✓ Always keep the work area and cables as clean as possible.
- ✓ Use a “clean burning” torch, e.g. A Propane gas torch which does not have any deposits of conductive contaminants.
- ✓ Adjust the torch to a soft blue flame with an orange/yellow tip, “pencil-like” blue flame should be avoided.
- ✓ Keep the torch aimed in the shrink direction to pre-heat the material.
- ✓ Always apply the heat circumferentially around and outwards on all tubes, this ensures correct heat application which results in the correct material wall thickness.
- ✓ As the heatshrink has a very thick wall the torch/flame has to be moved continuously to ensure proper shrink and avoid damage due to overheating in one place.
- ✓ Shrink the tubing and molded parts as recommended and indicated in the instructions.
- ✓ If the tubing needs to be cut, always wait until the tubing has cooled down and then cut with a sharp knife ensuring that there are no jagged edges on the tube.
- ✓ Once shrunk, all of the tubing should be smooth and free of any wrinkles.
- ✓ Signs of wrinkles indicates incorrect heating and possibly air entrapment.
- ✓ **Read all instructions carefully before commencing.**

CABLE PREPARATION TIPS

- ✓ Cable ends should have been sealed (End Caps) and checked for moisture before proceeding with any work.
- ✓ Always keep the cable outer sheath clean and free from dust and mud.
- ✓ Take extreme care not to nick or cut the core insulation when removing the outer sheath, copper tape screen and semi-conductive layer on a XLPE cable.
- ✓ Do not nick or cut the paper core insulation when removing the belt papers on PILC cable.
- ✓ Ring cuts on the copper tape screen and semi-conductive core screen must leave smooth edges (not jagged). Never cut too deep when ring cutting the semi-conductive screen layer on an XLPE cable.
- ✓ Tiny nicks in the XLPE insulation and persistent carbon particles can be removed by lightly abrading with non-conductive silver oxide abrasive paper.
Always abrade circumferentially around the core insulation.
- ✓ Only use the pre-soaked cleaning cloth/wipes supplied.
- ✓ When cleaning the XLPE insulation take extreme care not to wipe the semi-conductive layer as this will contaminate the XLPE surface.
- ✓ Clean and de-grease all surfaces that will come into contact with mastic and tubing.
- ✓ Take extreme care not to nick or cut the cable insulation when removing the lead sheath and metalised screen paper of a PILC cable.
- ✓ Always leave a slight “bell” at the ring cut-off on the lead sheath of a PILC cable.
- ✓ Take care not to over bend any of the cable cores to avoid the paper screen or paper insulation cracks.
- ✓ Always clean and abrade the surfaces of the lead sheath, to remove the oxidised layer, prior to installing any earthing to the lead sheath.