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JTS1...W

SINGLE CORE HEATSHRINKABLE STRAIGHT THROUGHT JOINT

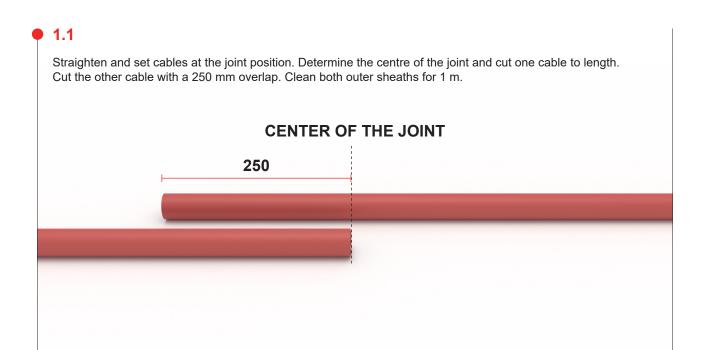
INSTALLATION INSTRUCTION IM2076I - ed. 15/01/2020

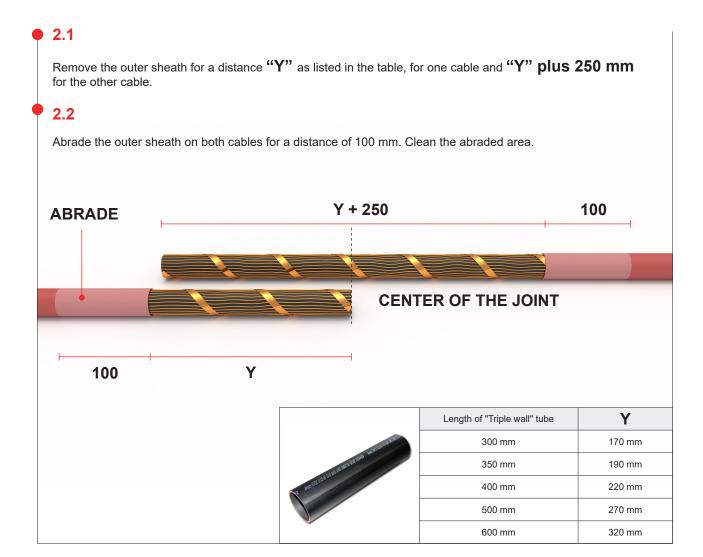
TYPE OF CABLE: Solid insulation (XLPE-HEPR)

SECTION: up to 630 mm² Cu/Al

TYPE OF SCREEN: Copper wires VOLTAGE: Umax 24kV





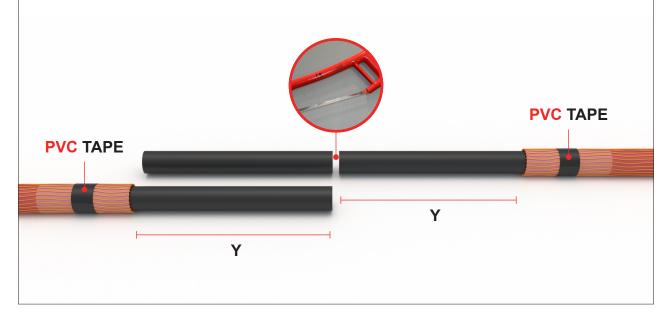




Fold back the screen wires and bind temporarily with PVC tape. DO NOT CUT THE SCREEN WIRES.

2.4

Cut the cable with the 250 mm overlap to the correct distance "Y" as listed in the table.

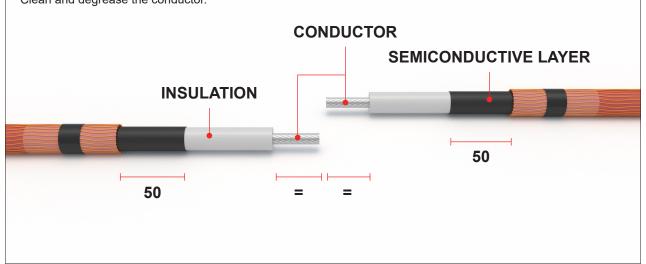


2.5

Remove the semiconductive layer to a distance of 50 mm from the sheath cut. Take care not to damage the insulation.

2.6

Bare the conductor for a length of inside depth of the connector for mechanical types or, in case of compression ones, for a length of inside depth of the connector + 5 mm. Clean and degrease the conductor.





• 2.7 As a protection, wrap few turns of adhesive tape around the conductor end. Slide all the heat shrinkable tubes onto the cable on one side of the joint. PVC TAPE DUAL WALL TUBE GT125 OUTER PROTECTION TUBE WITH ADHESIVE

Install the connector onto the cable cores as per the manufacturer's instructions. If using hexagonal compression links ensure that any sharp edges and flashing are removed from the connector with a file or abrasive cloth. If using mechanical connectors make sure any indents left after shearing the bolts are filled with "CLAY" mastic mas.

Wrap the mastic patch around the connector area, centering the patch over the connector with equal distance at both sides. Do not squeeze the extremities. MASTIC PATCH





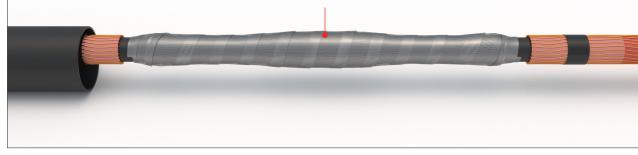


3.4 Position the triple wall tube "GT125" in the centre of the joint, pre-heat the tube for a minute and start shrinking from the centre towards to the extremities. Blue flame Yellow flame 50 mm 45° 150-200 mm **TRIPLE WALL TUBE GT125** 1 (2) - To avoid over-heating of the heatshrunkable tube, keep the flame moving continously and mantail ad adeguate distanza with the angle of 45°. - Heatshrink the tube from the center until obtaining a smooth surface. - Continue the heatshrinking for circular sector of 100 mm alternating itself from both sides.
- At the end of the work, the surface of the heatshrinkable tube must be smooth.

3.5

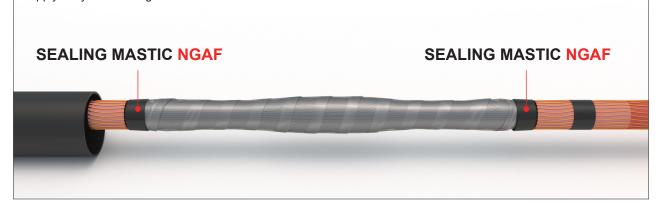
Wrap the whole joint with metallic tape, using a 30% overlap, start and end on the edge of the triple wall tube. Make a knot to lock the metallic tape.

METALLIC TAPE



3.6

Apply a layer of sealing mastic "NGAF" at the ends of the cable outer sheath.



3.7

Remove the PVC tape previously applied to fix the screen wires. Fold back the screen wires towards the centre of the junction distributing them along the joint. Apply the screen connector.

SCREEN CONNECTOR





4.1

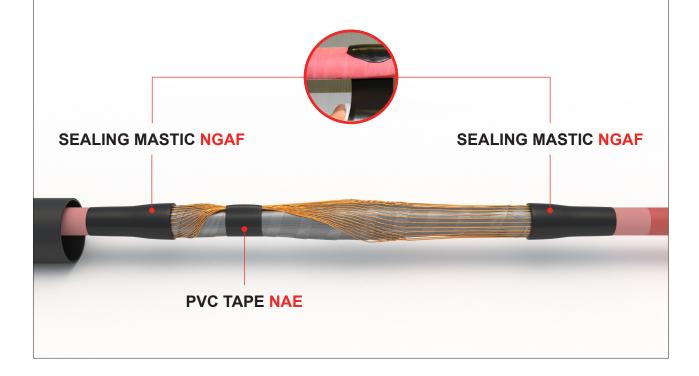
Clean the abraded area of the outer sheath.

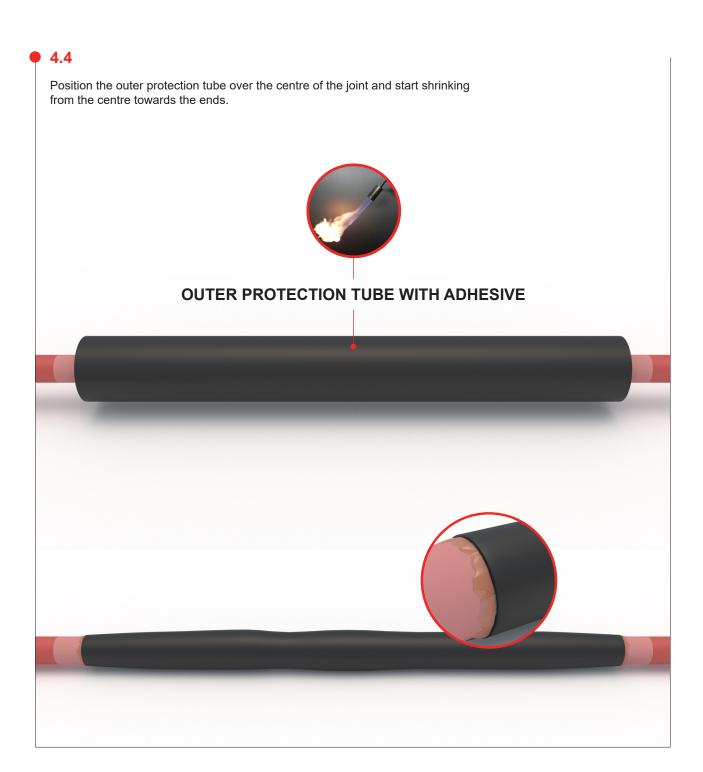
4.2

Apply one layer of sealing mastic "NGAF" starting overlapping 30mm the extremities of the outer sheaths till covering the screen wires for 50mm.

4.3

Apply a layer of PVC tape "NAE" over the screen connector.





4.5

The joint is complete. Allow to cool before moving.



Adjust torch to give a soft blue flame with yellow tip.

Heatshrink tubes uniformly avoiding wrinkles along the surface.

Keep the flame moving continuously and maintain adequate distance to avoid over heating.

This product should be installed by competent personnel familiar with electrical equipment and safe operating practices. Parts contained in this kit should be visually inspected for possible damage, and installed in accordance with these instructions. These instructions are not intended as a substitute for adequate training and experience.



Please dispose of all waste according to environmental regulations.

The company reserves the right to alter without notice the information contained in this installation manual.



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