JTS1...W

SINGLE CORE HEATSHRINKABLE STRAIGHT THROUGH JOINT

INSTALLATION INSTRUCTION IM2076I - ed. 15/01/2020

TYPE OF CABLE: Solid insulation (XLPE-HEPR)

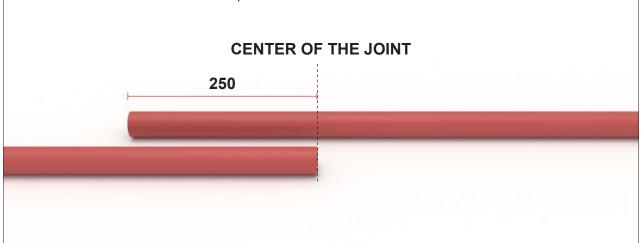
SECTION: up to 630 mm² Cu/Al

TYPE OF SCREEN: Copper wires VOLTAGE: Umax 24kV





Straighten and set cables at the joint position. Determine the centre of the joint and cut one cable to length. Cut the other cable with a 250 mm overlap. Clean both outer sheaths for 1 m.

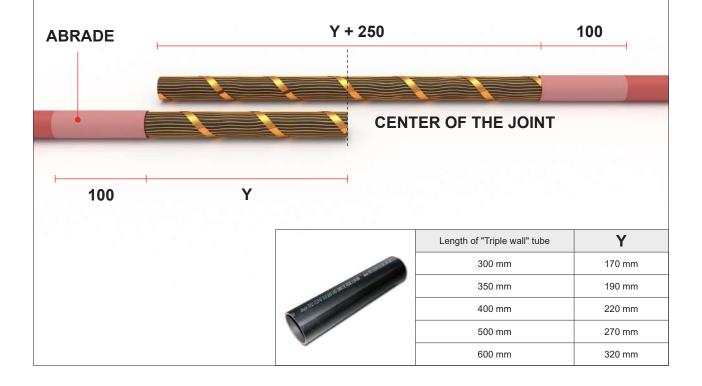


2.1

Remove the outer sheath for a distance "Y" as listed in the table, for one cable and "Y" plus 250 mm for the other cable.

2.2

Abrade the outer sheath on both cables for a distance of 100 mm. Clean the abraded area.

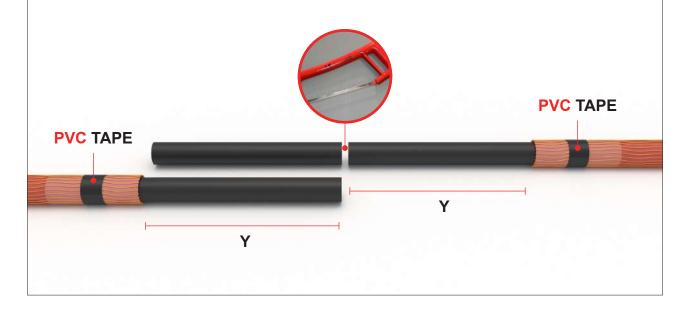




Fold back the screen wires and bind temporarily with PVC tape. DO NOT CUT THE SCREEN WIRES.

2.4

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

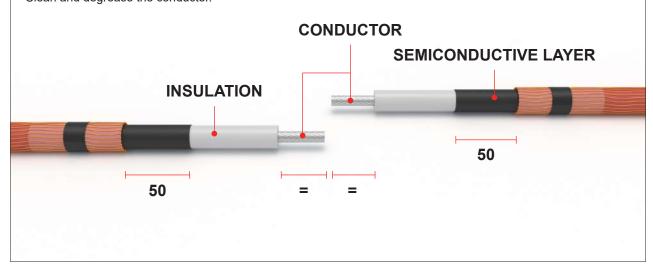


2.5

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.









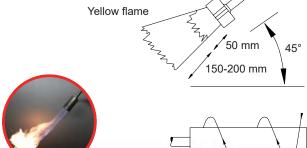






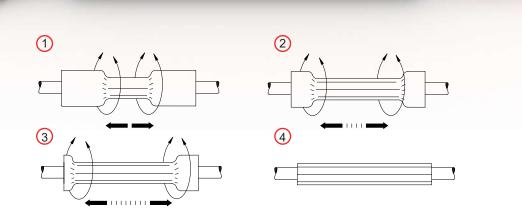


3.4 Position the triple wall tube "GT125" in the centre of the joint, pre-heat the tube for a minute and start shrinking from the centre towards to the extremities.

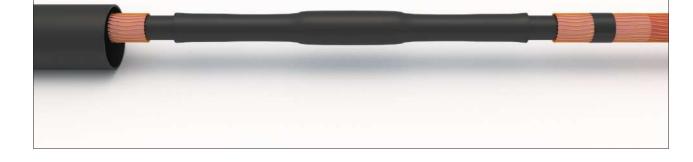


Blue flame

TRIPLE WALL TUBE GT125



- 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.

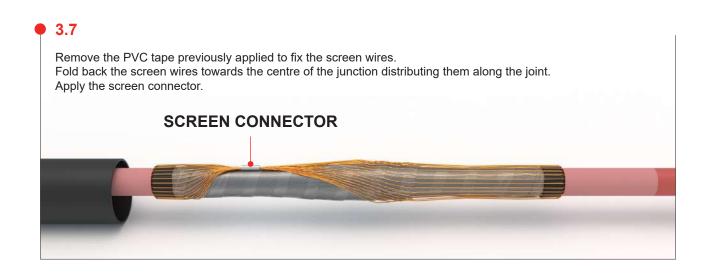


3.5

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









4.1

Clean the abraded area of the outer sheath.

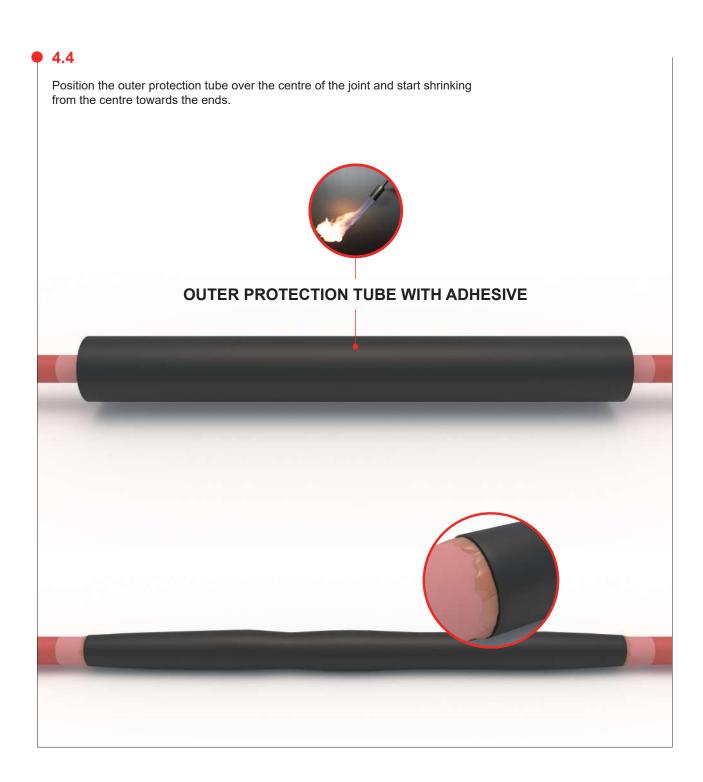
4.2

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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