

# Installation instructions

HEAT SHRINKABLE STRAIGHT JOINT for multicore plastic or rubber insulated low voltage cables without armor.

## MSTS150 Tube set

Rated Voltage 0,6/1 kV

# MOREK

## Morek Heat Shrinkable Straight Joint

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**Important:** This product must be installed by qualified personnel with appropriate electrical equipment and under safe conditions.

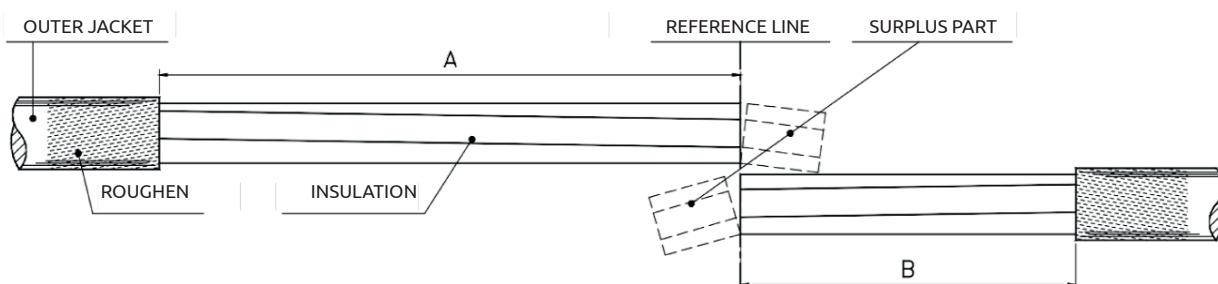
Please read all instructions carefully before beginning cable preparation, and verify that all components listed in the bill of materials are available.

### Important steps for Shrinking the Tubes

- Use a butane or propane gas torch:
- Ensure the flame is soft.
- Apply heat uniformly around the tube.
- Start in the center of the tube and slowly work towards the ends unless otherwise specified.
- Move the flame continuously and avoid prolonged heating on one spot.
- Stop once the tube is fully shrunk.

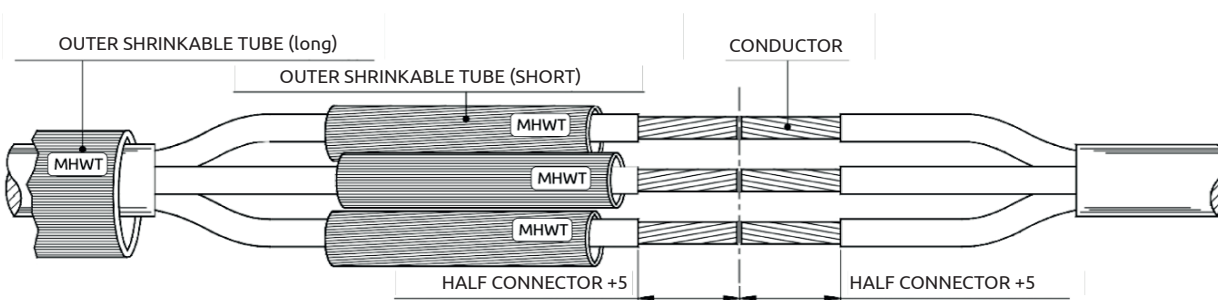
### Cable Preparation:

1. **Cable Positioning:** Overlap the cable ends by 150 mm and cut them at the midpoint of the overlap.
2. **Sheath and Filler Removal:** Remove the outer sheath and filler according to dimensions "A" (longest side) and "B" (shortest side) as listed in the bill of materials.
3. **Cleaning and Roughening:** Clean the outer jacket at least 1 meter from the edge with a suitable solvent, and roughen about 100 mm of the outer jacket starting from the edge.

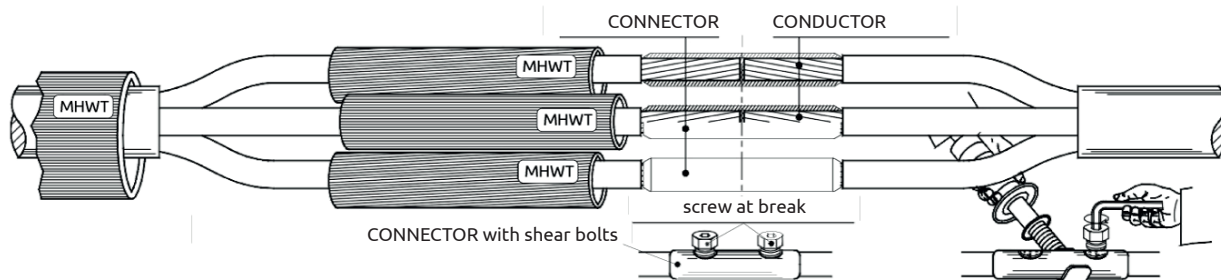


### Assembly and Shrinking:

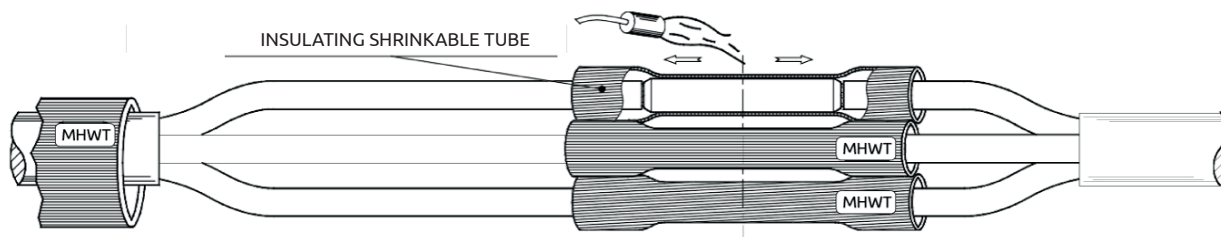
4. **Outer Sleeve:** Slide the long outer heat-shrink tube (MHWT) onto the outer jacket. Separate the cores and slide a short insulating heat-shrink tube (MMWT) onto each phase.
5. **Core Preparation:** Strip the insulation to expose the conductor for a length equal to half the connector + 5 mm. Clean the exposed conductor.



6. **Connect Conductors:** Use a suitable connector as specified in the bill of materials, remove any sharp points, and clean the surface.

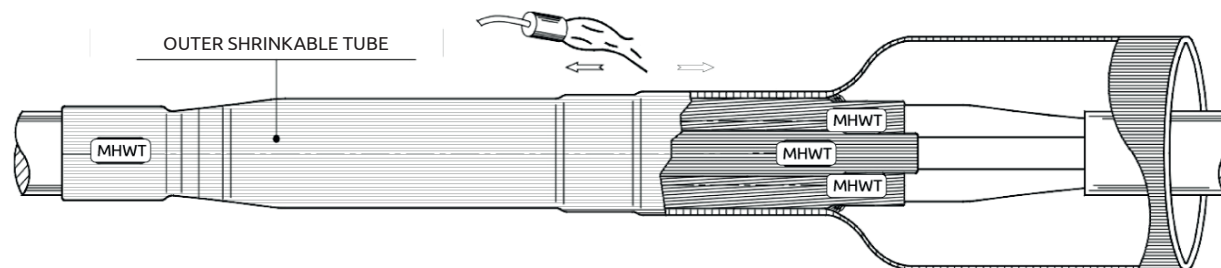


7. **Insulation:** Cover the installed connector with a layer of black mastic, starting from one end stretching it out at least double the length and width an overlap of 50% ensuring a complete cover of the connector. Slide the short insulating heat-shrink tubes (MMWT) over the connection areas, ensuring equal overlap on both sides. Heat-shrink the tube as specified.



8. **Re-lay the Cores:** Arrange the cores back into position, and slide the long outer heat-shrink tube (MHWT) centrally over the joint area. Heat-shrink the tube until it adheres firmly to the cable, with adhesive visible at the ends to indicate proper sealing.

9. **Cool and Test:** Allow the joint to cool before energizing.



Connector type	Conductor size, mm <sup>2</sup>				L, mm	SW, mm
	RE	RM	SE	SM		
MSCL0162A00	1,5-16	1,5-16	1,5-16	1,5-16	14	8
MSCL0252A00	6-35	10-25	16-25	16-25	17	8
MSCL0502A00	10-50	10-50	16-50	16-35	17	8
MSCL0952A00	16-95	16-95	16-95	16-95	24	10
MSCL1502A00	25-150	25-150	25-150	25-120	30	13
MSCL2402A00	120-240	120-240	120-240	120-240	36	16
MSCL2404A00	50-240	50-240	50-240	50-240	56	16
MSCL3004A00	150-300	150-300	150-300	150-300	52	22

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