

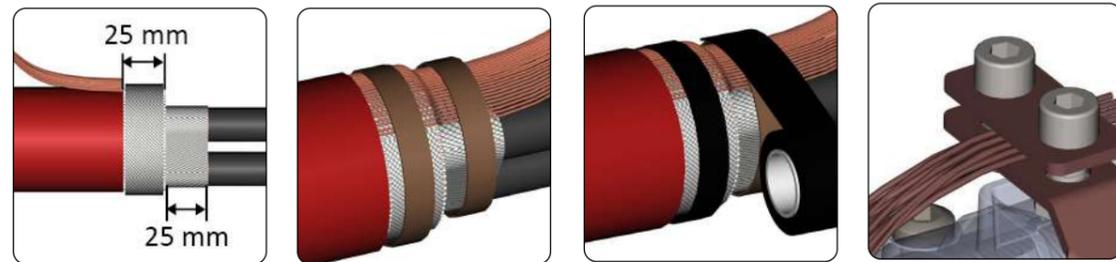
# LoviSil® M-series

## Installation instruction

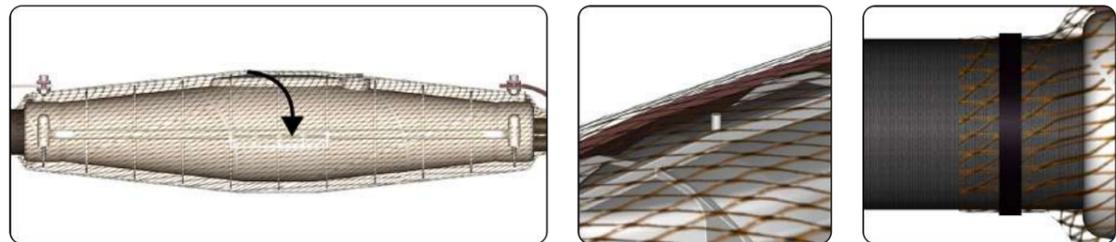
3x1/1x3 - core PILC  
3x1/1x3 - core XLPE

U0 / U (U<sub>max</sub>)  
Conductor cross-section

6 / 10 (12) kV  
25 - 400 mm<sup>2</sup>

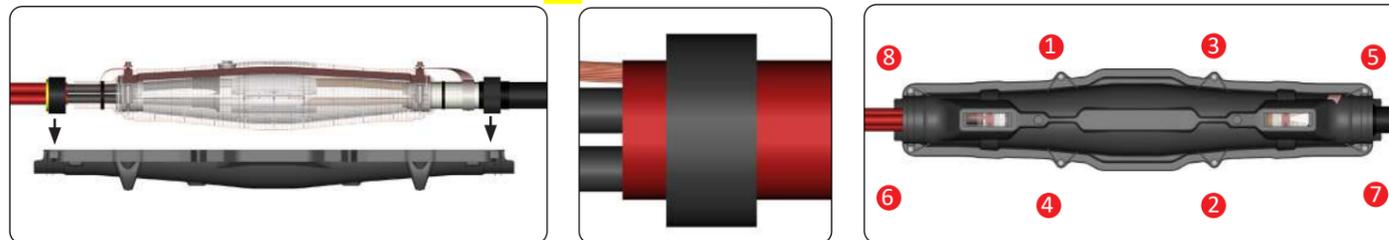


6. Wind 3 layers of gauze over the armour (wire or tape) and tape screen.
7. Fix the screen wire or braid to the armour by means of a constant force spring or jubilee clip. Fix the wire screen or braid to the tape screen using a constant force spring.
8. Tape over the connections with PVC tape.
9. Fix the screen wires / braid to the earth strip using a 6mm allen key (10Nm) and cut the excess wires.



10. Wrap the earth screen around the inner joint.
11. Hook the earth screen to the hooks on top of the lower shell of the inner joint.
12. Fasten the earth screen to both cables with a plastic cable ties.

### 6 Assembly of outer joint



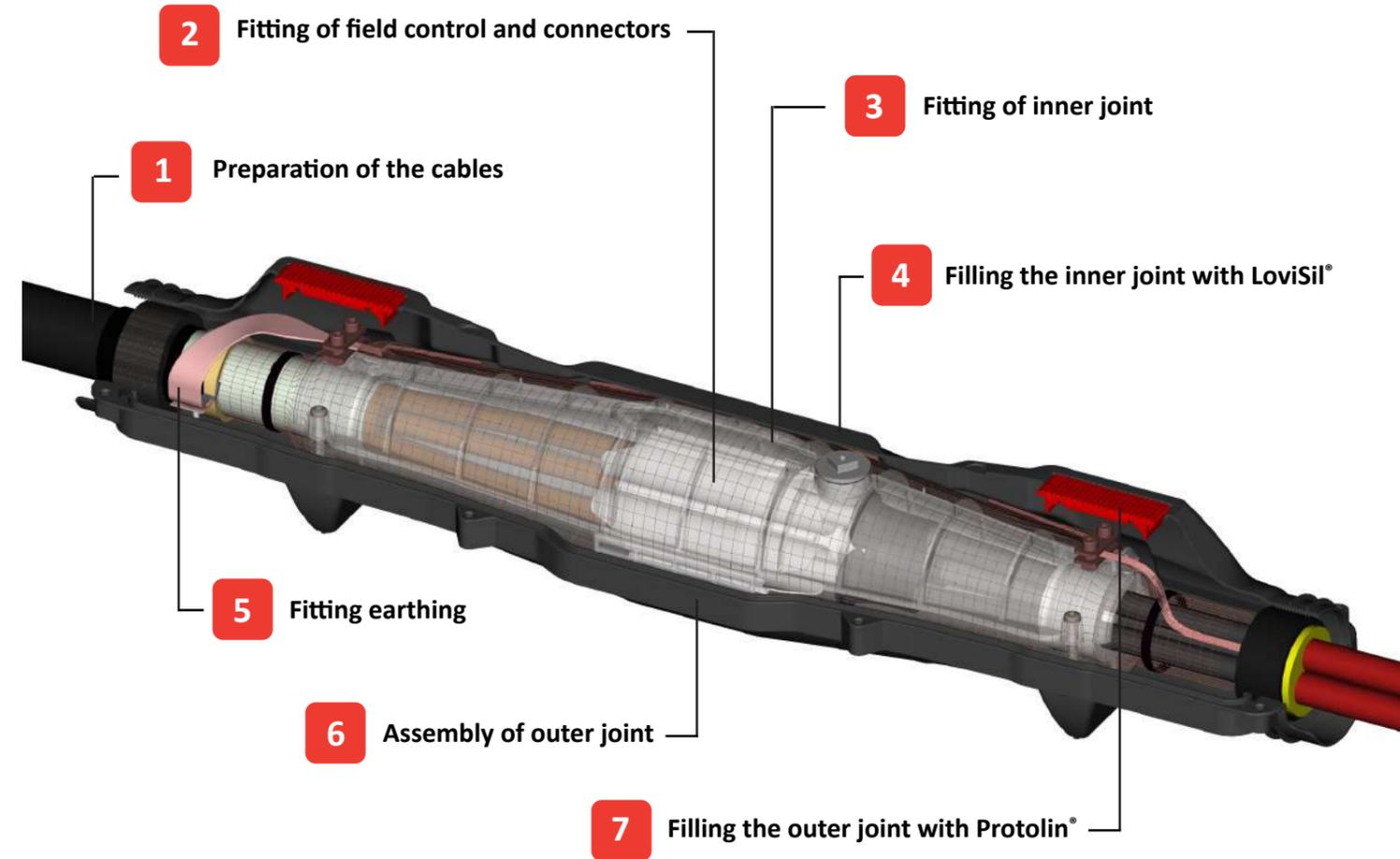
1. Position the lower shell and mark the positions of the self amalgamating tape and/or filling piece.
2. Wind the tape. Check the correct diameter using the callipers provided in the lid of the box.
3. Place the upper shell and turn the premounted screws with a 6mm allen key (8-12Nm) according to the image above.

### 7 Filling the outer joint with Protolin®

⚠ Support the joint and cables with sand.



1. Mix the Protolin® resin according to the instructions on the bag and pour via one of the fill openings.
2. Fill the outer joint with Protolin® to just under the inner edge.
3. Push both covers in the filling holes. Cover the joint with sand and put into service according to the instructions of the network administrator.



### General remarks

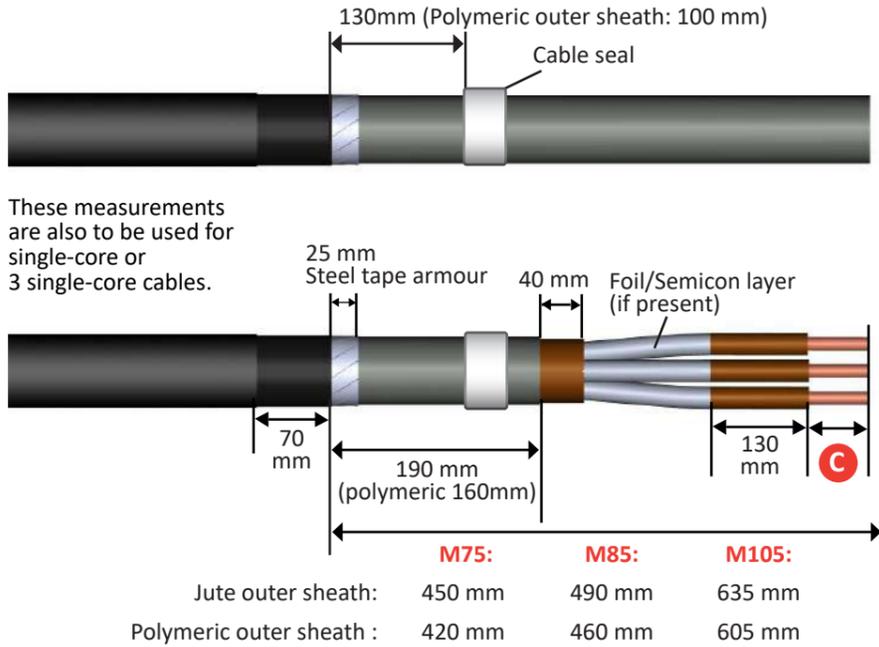
- ⚠ Follow any **safety instructions** issued by the network administrator and/or your employer!
- ⚠ Check whether the **paper-insulated cable** contains any moisture according to the instructions of the network administrator and/or your employer!
- ⚠ Make sure the connection stays **dry and clean** all through the assembly!
- ⚠ This instruction is meant as a guideline for **trained and certified jointers**. Knowledge of medium voltage technology and experience in cable preparation should be present!
- ⚠ Note the **correct dimensions** as mentioned in this instruction when installing the joint!

*Disclaimer: Lovink Enertech takes the utmost care in the production and assembling of this installation instruction, but can in no way guarantee the accuracy or completeness. Lovink Enertech accepts no responsibility for damage of any kind caused by not following the installation steps described in this instruction. Lovink Enertech reserves the right to modify the contents of this publication or remove parts at any time without having to give notice.*

# 1 Preparation of the cables

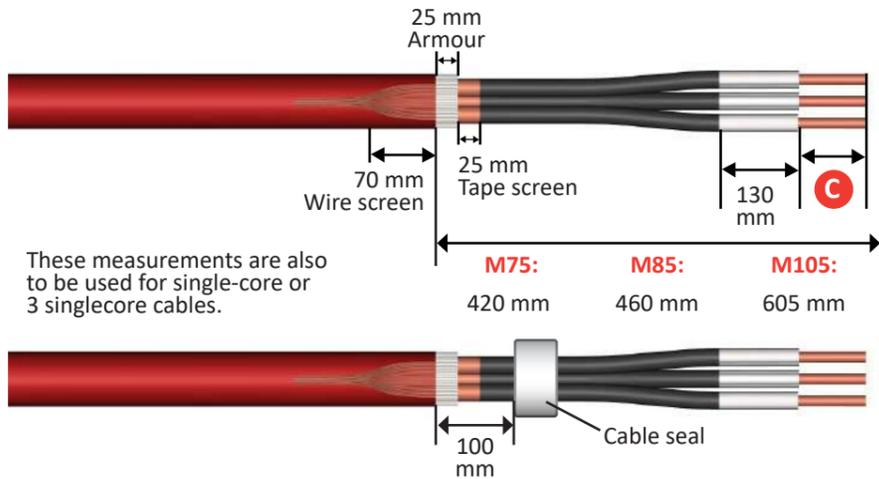
PILC

Slide the cable seal on the cable **before cutting and removing the lead sheath**. Use Lovink silicon paste as a lubricant.



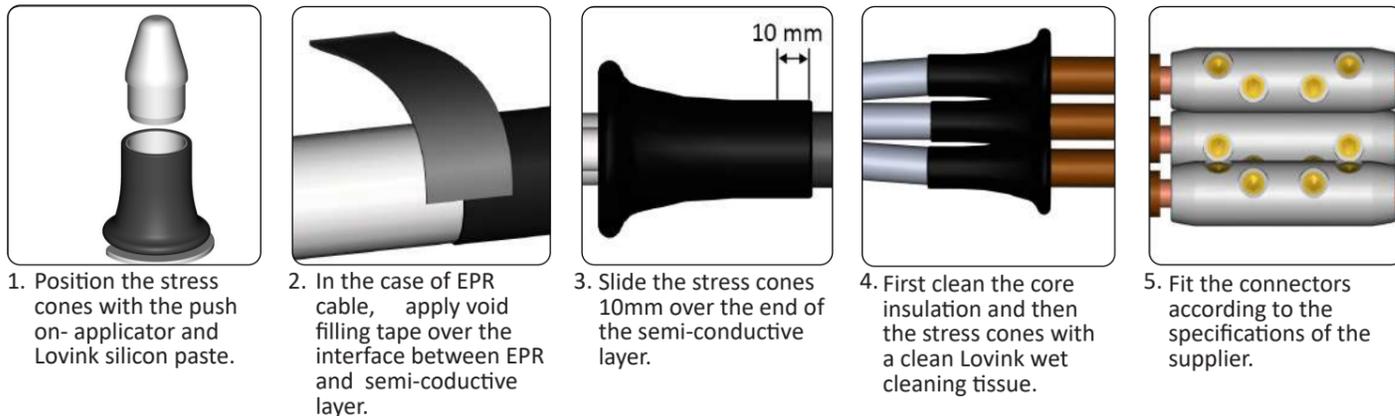
# XLPE-TS S(A)WA 3-core

Strip the cable to the required dimensions, then slide the cable seal into position using the Lovink silicon paste as lubricant.



# 2 Fitting of field control and connectors

Stress control not on all 12kV PILC



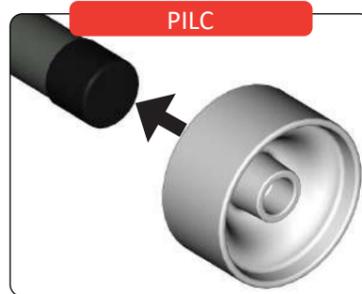
## Dimensions connectors

**With blocked connectors:**  
½ connector + 5 mm

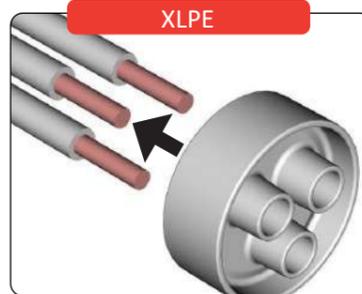
**Without blocked connectors:**  
½ connector + 10 mm

Always abrade polymeric outer sheath (70mm) and/or lead sheath (190mm)!

If necessary, make a **crossing** first before cutting the cables!



De-burr any sharp conductor/sheath edges and mask with PVC tape to prevent damage when applying the cable seal.

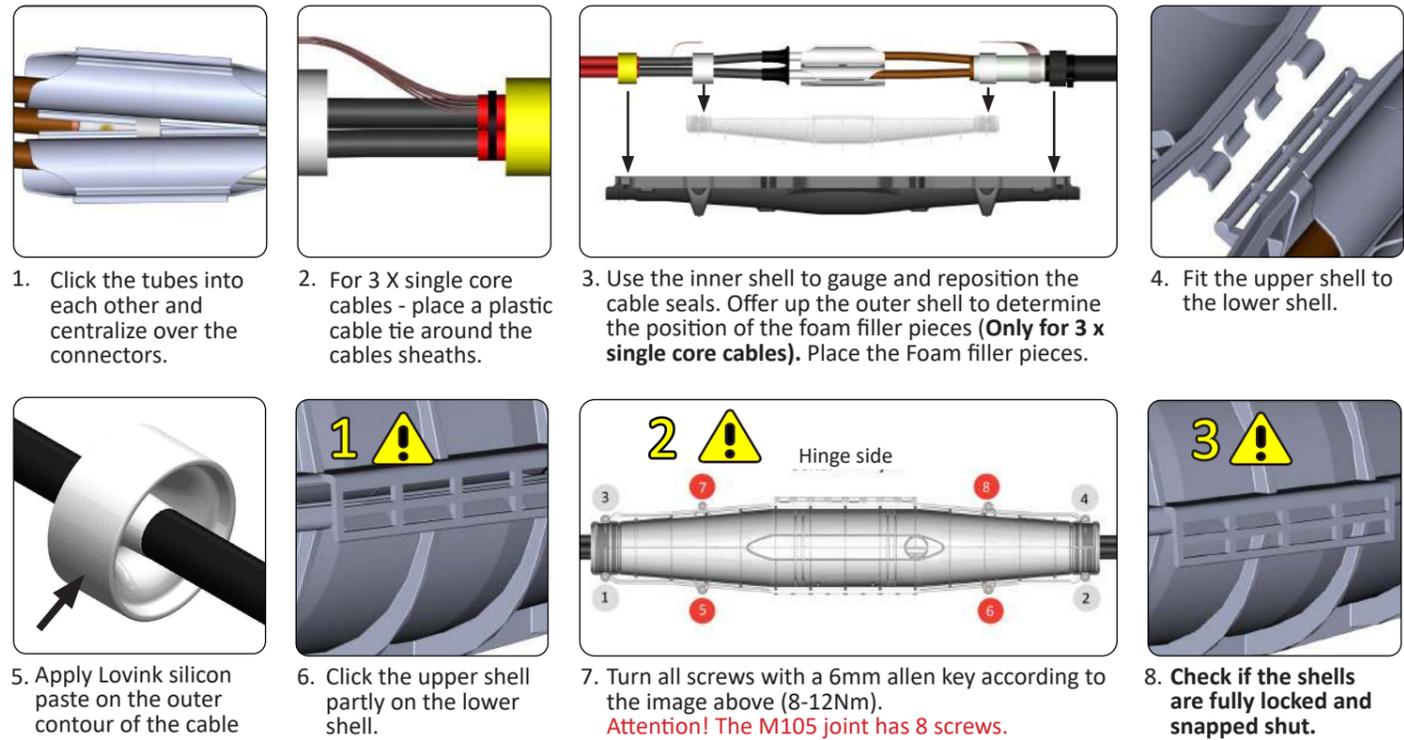


Bend back the screen wires but **do not** cut them!

# 3 Fitting of inner joint

Before positioning the tube set, **clean the connection** with a clean Lovink wet cleaning tissue.

Clean all surplus silicon paste from cable surfaces.



# 4 Filling the inner joint with LoviSil®



# 5 Fitting the earth

