



Joints



M-Seal Tapex System of cable jointing follows the time tested technique of rebuilding the cable construction.

The system is simple and is based on three components:

1. Self Amalgamating Insulating Tapes
2. Self Amalgamating Semi-Conducting Tapes
3. Non Linear Stress Grading Pads

The system can be easily installed by jointers, with minimum skills.

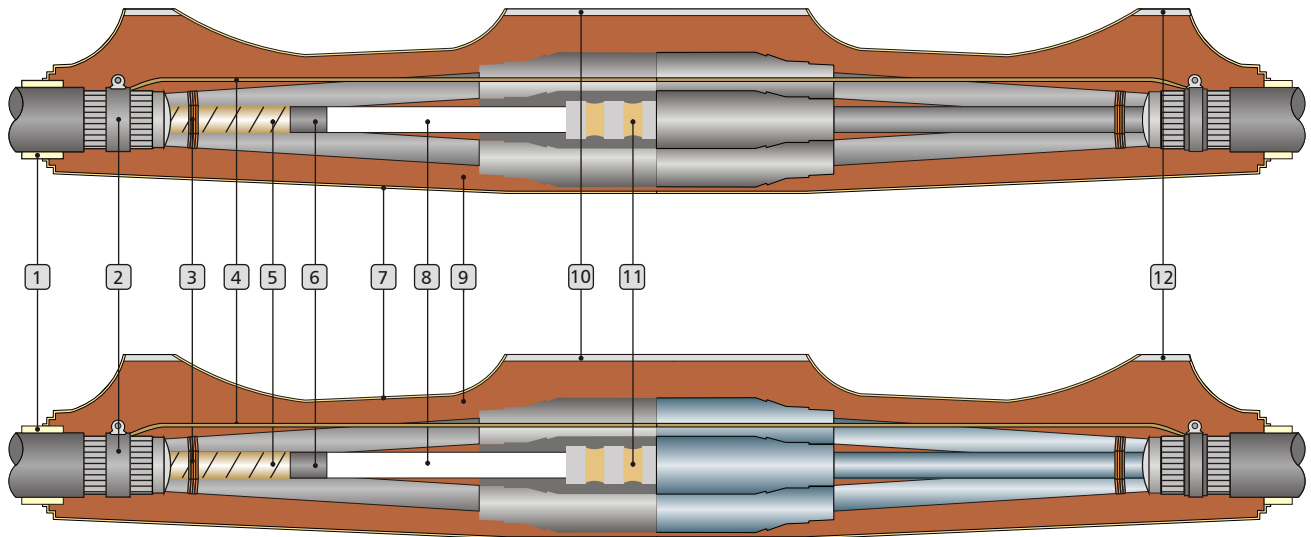
The non linear stress grading material in M-Seal Tapex System eliminates the cumbersome and time consuming process of tapering the XLPE insulation at ferrule end in straight through joints. The stripped cable insulation, conductor screen and insulation screen are rebuilt with Self Amalgamating EPDM Tapes. This is the most proven and dependable method of jointing, which extends even beyond 66kV class of cables.

The joint is enclosed and encapsulated with a cast resin system to provide mechanical protection and to prevent water ingress.

The M-Seal Tapex System has been specially designed for ideal performance in conditions with uncontrolled back fill & presence of sub-soil water. The same system with minor modifications is suitable for jointing XLPE to PILC cables i.e. for making Transition Joints.

- Few Components and no mastics
- Easy to install as it requires no heating
- No tapering of XLPE Insulation
- Cold Flow property
- Thermally compatible with XLPE Insulation
- Provides complete mechanical & moisture protection

Straight Joint



Transition Joint

Assembly



Application of semiconducting tape



Application of Stress Grading pad



Application of Self Amalgamating Insulating Tape



Complete Joint

- 1 Sponge Sheet
- 2 Worm Drive Clip
- 3 Binding wire
- 4 Earth continuity connection
- 5 Copper screen
- 6 Semi conducting layer
- 7 Hip mould
- 8 Core insulation
- 9 C J compound
- 10 Pouring gate
- 11 Ferrule
- 12 Riser



Tapex Straight Joint

Important Notice

Before using this product, you must evaluate it and determine if it is suitable for your intended application. You assume all risks and liability associated with such use.

Warranty; Limited Remedy; Limited Liability.

This product will be free from defects in material and manufacture at the time of purchase. **3M MAKES NO OTHER WARRANTIES**



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