

JOINT (S)MP with pre-molded joint body for synthetic insulated cables up to 550 kV

Description

Cable joints are available for various applications, according to the design of the cable circuit and the method of connection of the metallic cable sheath:

- Straight joints
- Straight joints with earth bonding
- Insulated / Cross-bonding joints

Nexans high voltage joints, designed for synthetic insulated (XLPE) cables with aluminum or copper conductors up to 2500 sqmm, are basically composed of a pre-molded, elastomeric joint body and an outer casing.

Following types of outer protections are available, allowing an adequate protection of the joint and adapted to the laying conditions:

LOP

A light outer protection consisting of a heat shrinkable tube

MOP

Outer protection consisting of a hard, compound filled PE casing in two parts

HOPM

Protection consisting of a copper tube, a solid PE casing in two parts and filling compound

HOP

Casing made of a solid copper tube and a solid HDPE layer. For cross bonding joints the longitudinal insulation is a part of the casing and is electrically factory tested. For cables with smooth or corrugated alu sheaths, the casing can be supplied with an alu tube (HOP ALU). The HOP casings can be installed with or without filling compound.

Equipment for PD measurement and DTS as well as for the connection of optical fibres can be supplied on request.

Advantages

- Reduced dimensions and weight
- High mech. resistance (MOP,HOP/ALU/M)
- Proofed, permanent tightness
- High reliability due to prefabricated and 100% factory tested active parts
- Comfortable assembly
- Reduced installation time

Range of application

- Type tested according to IEC 60840 / IEC 62067
- Max. operating voltage 72 - 550kV
- Cond. cross section up to 2'500mm²



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