

TRANSITION JOINT DOTS

for connection of HV pressure cable (oil or gaz) to cable with synthetic insul. up to 170 kV

Description

The compact Nexans HV transition joint allows the connection of a HV paper insulated HV pressure cable (oil or gaz) with a HV polymer (XLPE) insulated cable.

The joint is characterised by its compact design and consists of the following major components :

XLPE side

- Prefabricated elastomeric stress control device
- Conductor connector

Pressure cable side

- Compact, prefabricated condenser type stress relief cone
- Conductor connector
- Epoxy insulator forming the oil/gaz barrier

Common outer protection

- Consisting of a prefabricated, insulated metal housing with optional shield break or cross-bonding feature.
- Fill in with silicone gel compound.

Advantages

- Short length (fits with small existing joint pits)
- Low oil volume (environmental friendly)
- No fluid on XLPE-side
- Prefabricated factory tested components allowing fast and reliable installation



Range of application	DOTS1.72/123/145/170	
Type tested according to	IEC 60840	
Max. operating voltage	72/123/145/170kV	
Impulse voltage strength 1.2/50µs	750kV	
Conductor cross-section up to (copper or aluminium)	Pressure cable side : 2'000mm ²	XLPE side : 1'200mm ²

Joint available for various types of cable outer sheaths

Outer casing with optional shield break/cross-bonding feature



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