

OUTDOOR SEALING END FM Dry, slip-on for synthetic insulated cables up to 145 kV

Description

The dry type mono bloc sealing end made of silicone rubber material includes the stress-cone, the weather sheds and the insulation layer all in one.

A field grading element is inserted in the stress-cone part. No fluid or gas is used in the construction.

The assembly of the dry type sealing end is reduced to a minimum of operations.

After the cable preparation as usual, the “one piece” termination is slipped on the cable insulation without special equipment.

A solid clamping of the cable, below the sealing end, as well as a fixing point at the top bolt, keeps the sealing end in position.



Advantages

- Completely oil and gas-free
- No risk of leakage (no environmental affect)
- Low weight - easy handling and transport
- Small risk of damage during transport and erection
- Electrically factory tested
- High electrical performance even under heavy pollution
- Easy erection and short installation time
- Good ageing properties – very good hydrophobic stability with regard to climatic and electrical ageing processes

Range of application	FM1.72	FM1.100	FM1.123	FM1.145
Type tested according to	IEC 60840	IEC 60840	IEC 60840	IEC 60840
Max. operating voltage	72.5kV	100kV	123kV	145kV
Impulse voltage strength 1.2/50 μ s	325kV	450kV	550kV	650kV
Specific leakage path	40mm/kV	40mm/kV	31mm/kV	31mm/kV
Diameter over cable insulation	36-88mm	36-88mm	36-88mm	36-88mm
Conductor cross-section up to approx.	1'600mm ²	1'600mm ²	1'600mm ²	1'600mm ²



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