

FEV72.5

Outdoor termination with composite insulator for single core XLPE HV cables

Application

FEV72.5 terminations are suitable for outdoor installation on single core XLPE cables. This high quality outdoor termination with composite insulator filled with insulating fluid, is optionally equipped with arcing horn and flat terminal connector.

Technical characteristics

- Optimised for mechanical connecting stalk
- Premoulded and factory tested EPDM stress cone
- Insulated arrangement, disconnectable earth lead
- Frequency 50 Hz, conductor cross-section 185 - 2000 mm²
- For diameter over core insulation up to 81 mm

72.5 kV

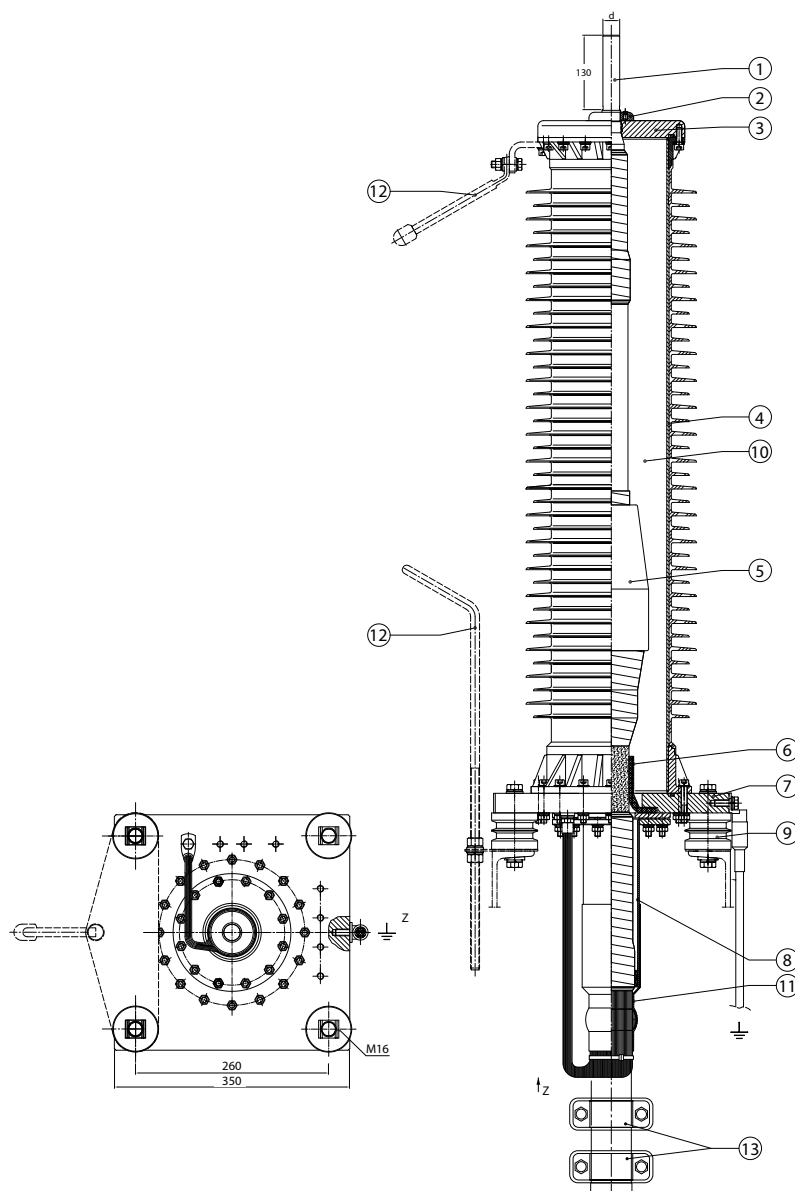
**U (U_m)
60-69 (72.5) kV**

Design

1. Mechanical connecting stalk
2. Lock nut
3. Head plate
4. Composite insulator
5. EPDM stress cone
6. Sealing flange
7. Base plate
8. Cable gland
9. Support insulator
10. Silicone oil
11. Heat-shrinkable tube
12. Arcing horn (optional)
13. Cable clamp
(set includes 2 pieces)

Connecting stalk

Diameter Ø d (mm)	Conductor cross- section (mm ²)
Ø 30	185 - 630
Ø 40	800 - 1200
Ø 50	1400 - 1800
Ø 60	2000



Specifications and Standards

All high voltage accessories are in compliance with national and international specifications and can be adapted to special customer

requirements. Therefore, all technical specification are purely for information purposes only. For your specific requirements, please do not hesitate to contact us.

International:
IEC 60840

Termination type	Max. operating voltage (kV)	Height (mm)	Weight per piece (kg)	Oil volume (l)	Creepage distance (mm)
FEV72,5-1.8VIn	72.5	1145	60	15	1800
FEV72,5-2.5VIn	72.5	1168	65	14	2560

Other variants available on request.

For detailed electrical ratings please see page 29-30.

Premoulded EPDM Stress Cones (ESC-Series)



Application

Premoulded EPDM stress cones are used for more than 30 years on cables with extruded insulation. Euromold's ESC range of high voltage stress cones is designed based on the long experience with moulded dielectrical components. The stress control is provided by a semi-conductive EPDM deflector on which the insulating part of the stress cone is moulded under high pressure. Stress cones are suitable to terminate cables with extruded insulation from 72.5 kV up to 550 kV in insulators filled with insulating fluid (gas or oil).

Specifications and Standards

ESC series EPDM stress cones have been qualified as part of outdoor, switchgear and transformer termination.

International:
IEC 60840, IEC 62067
National:
DIN VDE 0276-632

Stress cone ESC-Series (Size)	Ø over core insulation* (mm)	Conductor cross-section 72 kV cable [t _{iso} = 10 mm] (mm)
E0	35 - 42	120 - 240
E1	41 - 48	240 - 400
E2	47 - 55	400 - 630
E3	53 - 61	630 - 1000
E4	60 - 72	1000 - 1600
E5	70 - 81	1600 - 2000

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