

HV DRY FLEXIBLE TERMINATIONS (OHVT-72F)

UPTO 72 kV

KEY FEATURES

- Dry interface, solid insulating medium, no leakage risk
- Prefabricated and 100% factory tested
- No glueing needed
- No scaffolding cost, installation on ground
- Both vertical and horizontal installation possible
- Fittings made of corrosion-resistant alloy
- Type tested according to IEC 60840
- Cost-effective solution
- Easy to install and maintenance free

TE Connectivity's (TE) Raychem High Voltage Dry Flexible Outdoor Termination (OHVT-F) is designed for voltages up to 145 kV and to operate under severe environmental conditions. The OHVT-F is designed such that it is compatible with polymeric insulated cables independent of the manufacturer and can be adapted with respect to grounding required for various cable constructions. The installation of the termination can be done by trained installers.

The cold applied termination is a single piece push on solution which requires no glueing. The push on silicone body is formulated for excellent tracking resistance and pollution resistance due to its hydrophobic body. It is free from any insulating fluids, gases or gel and therefore, there is no risk of leakage. The termination is designed according to IEC 60840. The cable lug is available in shearbolt version. It is suitable for all common conductors made of aluminum or copper.

Customers can count on consistent, high quality products, driven by TE's proven innovation and backed by our extraordinary customer support.

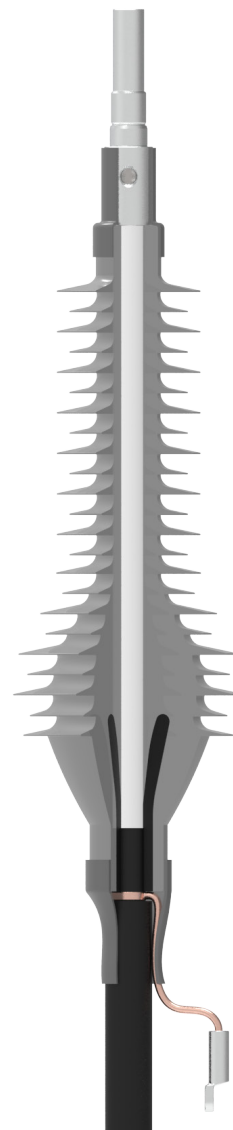
HV Dry Flexible Terminations (OHVT-72F)



MECHANICAL DATA	
Length	1484 mm
Outer diameter	366 mm
Max. Inclination angle	90°
Max. Permissible radial pull at connection bolt	2000 N
Diameter of connection bolt	30/40/50 mm
Length of connection bolt	100/130 mm
Weight approx.	35 kg
Packing information	1600 × 430 × 700

DESIGN DATA	
Diameter over insulation	≤ 78 mm
Diameter over sheath	≤ 130 mm
Max. Cross section (Cu / Al)	Approx. 2000 mm ²
Creepage distance	3100 mm
Flashover distance	1050 mm
Material of connection bolt	Aluminum / Copper
Material of step relief cone	Silicone rubber
Profile of insulator	Sheds
Colour of insulator	Grey
Method of stress control	Geometric
Stress cone	Pre-fabricated silicone rubber
Max. Permissible dielectric stress	4 kV/mm (at insulation screen of cable)
Clearance between terminations	As per IEC 60071-1
Installation temperature	0°C - +40°C
Operation temperature	-55°C - +55°C
Storage temperature	0°C - +40°C

ELECTRICAL TYPE TEST IEC 60840	
Heating cycle voltage	72 kV
Partial discharge at ambient and elevated temperatures	54 kV
Lightning impulse voltage 1.2μs/50μs	325 kV
ELECTRICAL ROUTINE TEST IEC 60840	
AC withstand voltage	90 kV
Partial discharge test	54 kV



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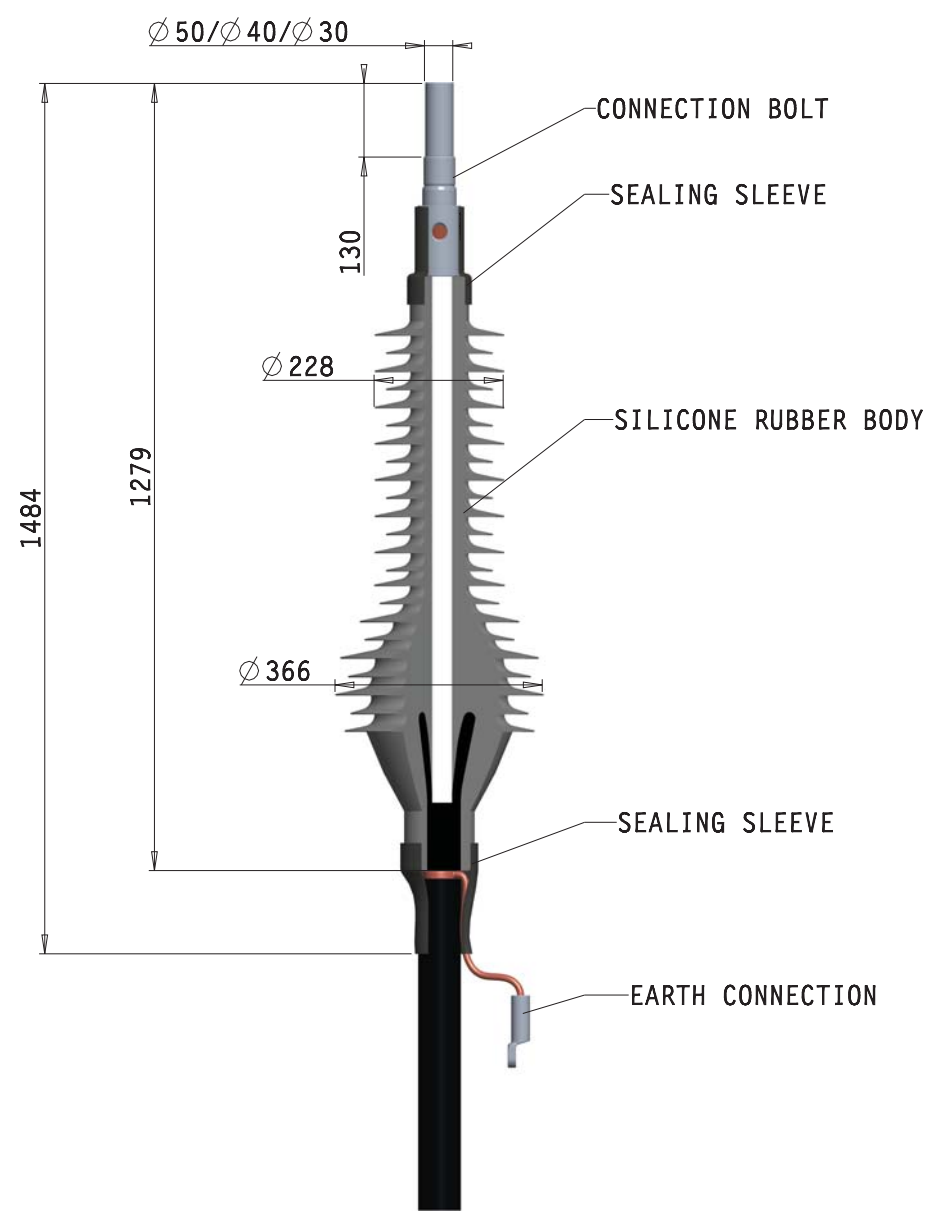
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FOR MORE INFORMATION: TE Technical Support Centers

USA:	+ 1 800 327 6996
Canada:	+ 1 (905) 475-6222
Mexico:	+ 52 (0) 55-1106-0800
Latin/S. America:	+ 54 (0) 11-4733-2200
France:	+ 33 380 583 200
UK:	+ 44 0870 870 7500
Germany:	+ 49 896 089 903
Spain:	+ 34 916 630 400
Italy:	+ 39 333 250 0915
Benelux:	+ 32 16 508 695
Russia:	+ 7 495-790 790 2-200
China:	+ 86 (0) 400-820-6015

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OUTDOOR-TERMINATION
72 kV
COMPOSITE-INSULATOR
FOR POLYMERIC-CABLE

OHVT-72F
Offer drawing

TE
connectivity

Raychem High Voltage Cable Accessories

TE Connectivity drawing no:
EPD-204-2240-00

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