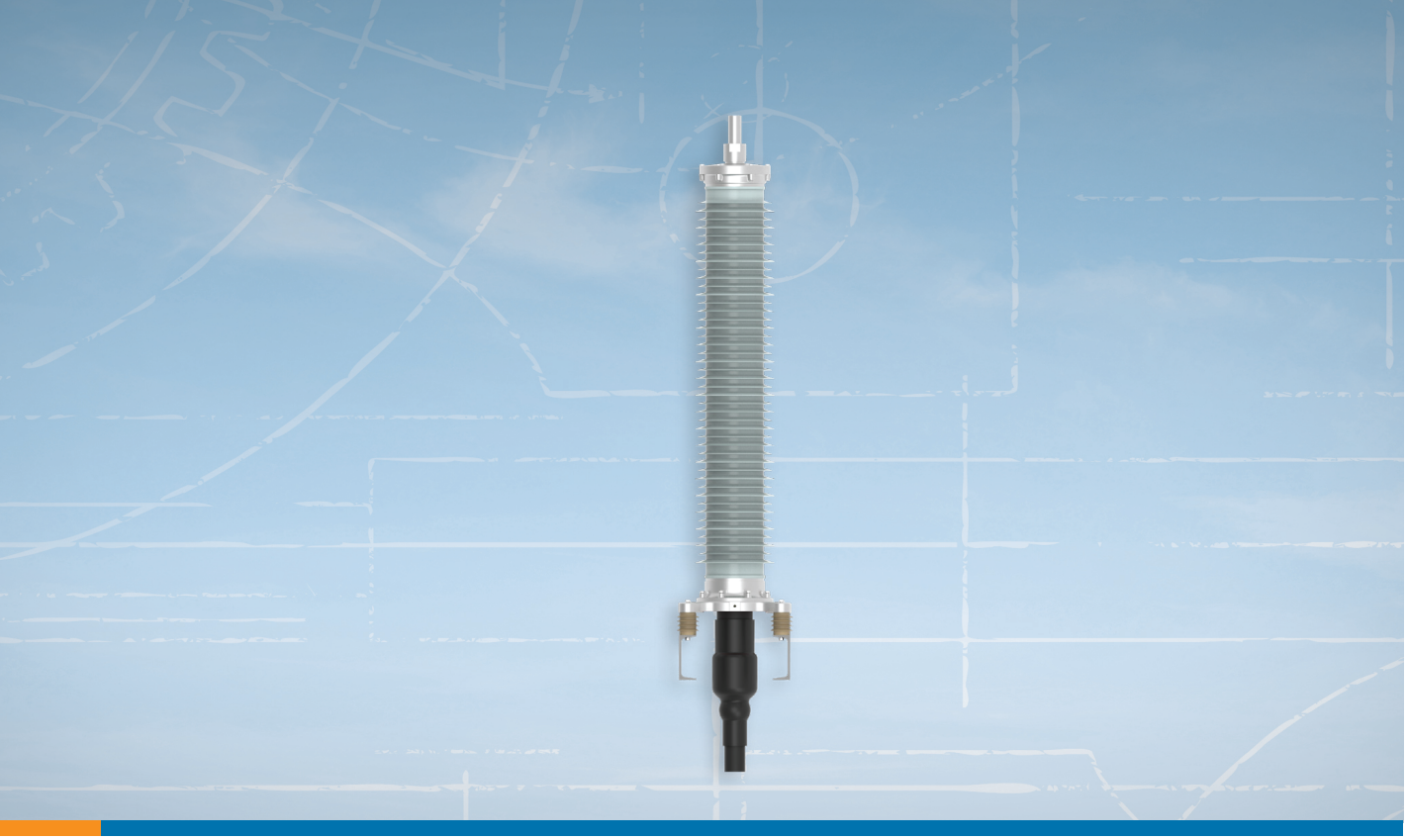


HIGH VOLTAGE (HV) OUTDOOR TERMINATION OHVT-145C (4B)

UP TO 145 kV

KEY FEATURES

- Pressure-tight and light weight composite housing
- Prefabricated and factory tested silicone rubber stress cone
- No special tools required to install the termination
- Oil filling without preheating
- Isolated base plate for sectionalization
- Fittings made of corrosion-resistant alloy
- Type tested according to IEC 60840 and IEC 62067 standards

TE Connectivity's (TE) Raychem High Voltage Outdoor Termination series (OHVT) is designed for voltages up to 245 kV and can operate under severe environmental conditions. The OHVT 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.

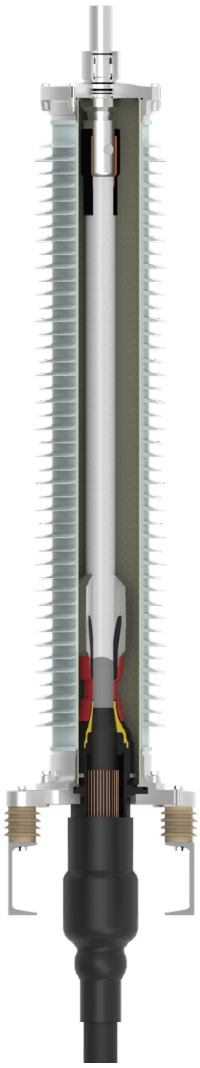
Composite housing with different creepage lengths are available and covers all pollution levels, from common to the most extreme.
The installation of the termination can be done by a trained installer equipped with conventional tools. The termination is designed and tested according to the following standards: IEC-60840, IEC-62067, IEC-60815, IEEE-48.

The pressure-tight composite housing is made of a glass fiber reinforced (GFR) resin tube with silicone rubber sheds molded to the tube. The metal fitting associated with the termination consists of a corrosion-free alloy.
The cable lug is available both in crimp and shear-off bolt version.
It is suitable for all common conductors made of aluminum or copper.
The insulator fills from the top with silicone or Polyisobutylene (PIB) oil, which does not require prior heating. The flexible double sealing system at the lug is installer-friendly and ensures protection against environmental influences. A heat-shrinkable polymeric tube containing oil-resistant sealant encapsulates the connector barrel and the polymeric insulation transition.

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

HV OUTDOOR TERMINATIONS
OHVT-145C (4B)

MECHANICAL DATA	
Length without connection bolt	2068 mm
Outer diameter of insulator	304 mm
Inner diameter of insulator	198 mm
Cantilever force	3000 N
Diameter of connection bolt	30/40/50 mm
Length of connection bolt	100/130 mm
Earth connection	4 x M12
Weight approx.	130 kg
Silicone / PIB oil volume approx.	46 l
Packing information	2000 × 900 × 560 mm

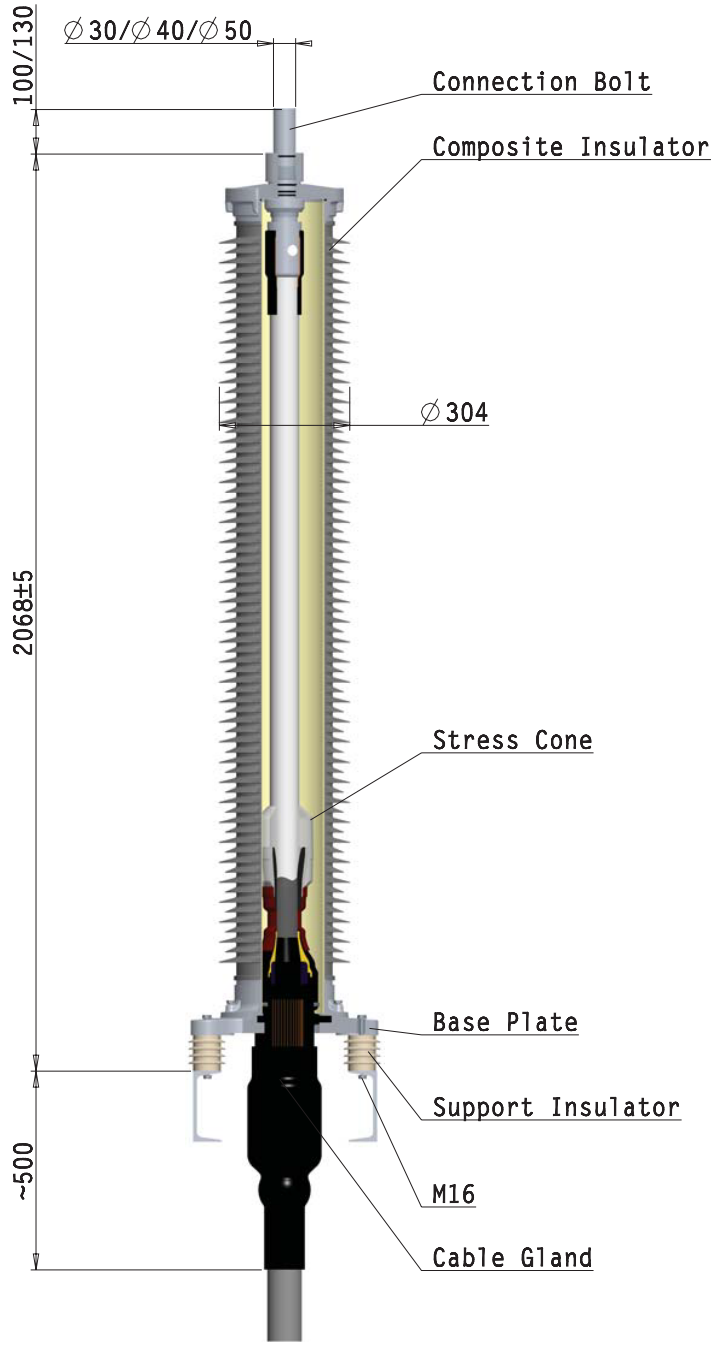


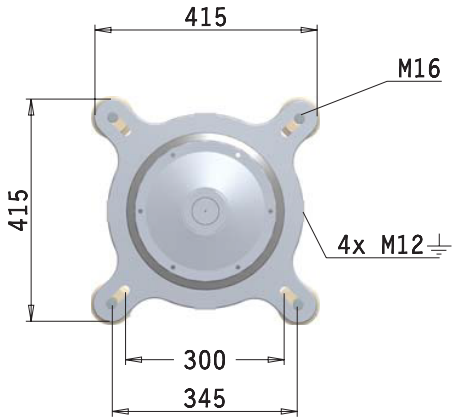
DESIGN DATA	
Diameter over insulation	34 – 97 mm
Diameter over sheath	110 mm
Max. Cross section (Cu / Al)	Approx. 2500 mm²
Creepage distance	6100 mm
Protected creepage distance [90°C shadow]	2618 mm
Flashover distance	1714 mm
Material of connection bolt	Aluminium / Copper
Material of insulator – outer surface	Silicone rubber
Profile of insulator	Regular 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)
Insulating liquid	Silicone / PIB oil
Material of fittings	Aluminium
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	152 kV
Partial discharge at ambient and elevated temperatures	114 kV
Lightning impulse voltage 1.2µs/50µs	650 kV
ELECTRICAL TYPE TEST IEC 60840 ANNEX H	
AC withstand test screen to ground	25 kV
DC withstand test screen to ground	25 kV
Lightning impulse test screen to ground	37.5 kV
ELECTRICAL ROUTINE TEST IEC 60840	
AC withstand voltage	190 kV
Partial discharge test	114 kV

Learn more: TE.com/energy

Connect with us:
TE.com/energy-contact





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

OHVT-145C (-4B)
Offer drawing

connectivity

Raychem High Voltage Cable Accessories

TE Connectivity drawing no: EPD-204-828-00

REV. 1