

HV OUTDOOR TERMINATIONS (OHVT-C)

UP TO 245 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
- Silicone 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 (OHVT) is designed for voltage up to 245 kV and to operate under severe environmental conditions.

Polymeric insulated cables of various designs can be adopted with respect to shielding and metal sheath. Composite or porcelain housings with different creepage lengths are available covering the most common and also extreme pollution levels. The installation of the termination can be done by trained installer equipped with conventional tools.

The termination is designed according to the following standards: IEC-60840, IEC-62067, IEC-60815, IEEE-48, IEEE-1313.

The cable lug is suitable for all common conductors made of aluminum or copper. The flexible double sealing system is installer-friendly and ensures permanent protection against environmental influences of the top assembly. A heat-shrinkable polymeric tube containing oil-resistant sealant encapsulates the connector barrel and the polymeric insulation transition.

The pressure-tight composite housing is made of a glass fiber reinforced (GFR) resin tube with silicone rubber sheds molded to the tube. The interface between stress cone, cable insulation and inner housing will be filled from the top with silicone oil. No prior heating of silicone oil required.

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

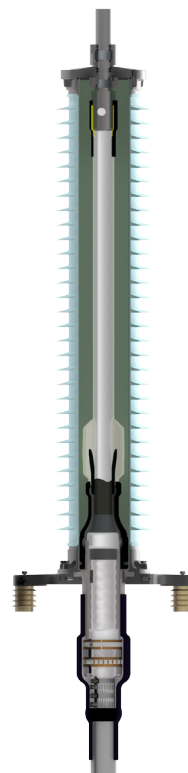
HV Outdoor Terminations (OHVT-C)



The silicone rubber stress cone provides the electrical field control function and can easily be applied without any tools. The application range is taken by different sizes of stress cones.

Four support insulators can be used on the base plate to mount the insulated termination. The termination can also be mounted directly to the support structure. All metallic fittings are made of corrosion resistant aluminum alloy.

The cable gland outer serving is adapted through different gland sizes, which can serve the individual shielding and armoring of the cable. The heat-shrinkable tube provides the outer protection and sealing for the cable gland area.



TECHNICAL DATA

		OHVT-72C	OHVT-145C	OHVT-170C	OHVT-245C
Max. operating voltage	U_m (kV)	72.5	145	170	245
Standards		IEC 60840 IEC 60815	IEC 60840 IEC 60815	IEC 60840 IEC 60815	IEC 62067 IEC 60815
Rated voltage	U (kV)	60 - 69	132 - 138	150 - 161	220 - 230
Rated lightning impulse withstand voltage (BIL)	(kV)	325	650	750	1050
Partial discharge measurement	(pC)	< 5	< 5	< 5	< 5
Conductor cross-section area	(mm ²)	95 - 2500	95 - 2500	95 - 2500	300 - 2500
Diameter across cable insulation (prepared)	(mm)	34.0 - 97.0	34.0 - 97.0	43.0 - 108.0	77.0 - 119.0

* other versions on request

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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 89 6089 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