HIGH VOLTAGE OUTDOOR & INDOOR HEAT SHRINK TERMINATIONS OHVT-52H / IHVT-52H

UP TO 52 kV

KEY FEATURES

- Compact and modular design
- Heat-shrinkable stress control sleeves
- Non-tracking, heat-shrinkable outer insulation
- Water and corrosion resistant
- Different creepage distances available
- Suitable for compression and mechanical lugs
- No special or expensive tools
- Lightweight components
- Unlimited shelf life under normal storage conditions
- No oil or compound filling
- Tested in accordance to IEEE 48 and IEC 60840

TE Connectivity's (TE) Raychem High Voltage Heat shrink Termination (OHVT-H) is designed for voltages up to 72 kV and to operate in all climates, areas and environments, even severely polluted areas, and for all installation conditions, including top feed installation. 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.

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-60815, IEEE-48.

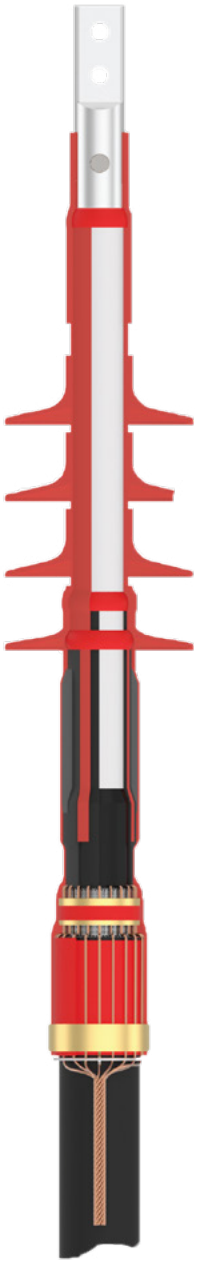
Due to the installation of several numbers of sheds creepage length above 40mm/kV are available and covering the most common and also extreme pollution levels. The insulating tubes and the sheds have excellent erosion and tracking resistance. Insulating materials conform to Tracking and Erosion Tests as per ASTM D2303 and IEC 60112. Electrical stress control tubes are used to smooth out the electrical field at the cable end; this is achieved by the unique electrical properties of the heat-shrink material. 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. A heat-shrinkable polymeric tube containing oil-resistant sealant encapsulates the connector barrel and the polymeric insulation transition. The track-resistant sealant that melts during shrinking process results in a reliable barrier against moisture. Solderless connection is used to connect different metal shields.

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

High Voltage Heat shrink terminations
OHVT-52H/IHVT-52H

MECHANICAL DATA

	IHVT-52H	OHVT-52H
Length	800 mm	920 mm
Outer diameter of sheds	up to 230 mm	
Distance between sheds	up to 80 mm	
Weight approx	6 kg	6.5 kg
Packing information	1020 x 195 x 224 mm	1600 x 245 x 205 mm



DESIGN DATA

	IHVT-52H	OHVT-52H
Diameter over insulation	30-77 mm	
Max cross section	2500 mm^2	
Creepage distance	up to 2500 mm	
Flashover distance	up to 1100 mm	up to 1540 mm
Material of Insulator-outer surface	EVA - Ethylenevinylacetate	
No.Of Sheds	2	4
Method of stress control	Impedance	
Max. permissible dielectric stress	4 kV/mm (at insulation screen of cable)	
Installation temperature/Storage	0° C – +40° C	
Operation temperature	-55° C – +55° C	
Clearance between terminations	As per IEC 60071-1	

ELECTRICAL DATA

Rated voltage Uo/U (Um)	26/46 (52) kV
Rated frequency	50 / 60 Hz
Basic impulse level	250 kV
AC withstand voltage (dry)	120 kV/min
AC withstand voltage (wet)	100 kV for 10 s
DC withstand voltage (dry)	170 kV for 15 min

APPLICATION RANGE

	Diameter over prepared cable insulation	Diameter over sheath
Size 1	30 – 45 mm	≤ 60 mm
Size 2	38 – 55 mm	≤ 70 mm
Size 3	48 – 65 mm	≤ 80 mm
Size 4	58 – 77 mm	≤ 100 mm

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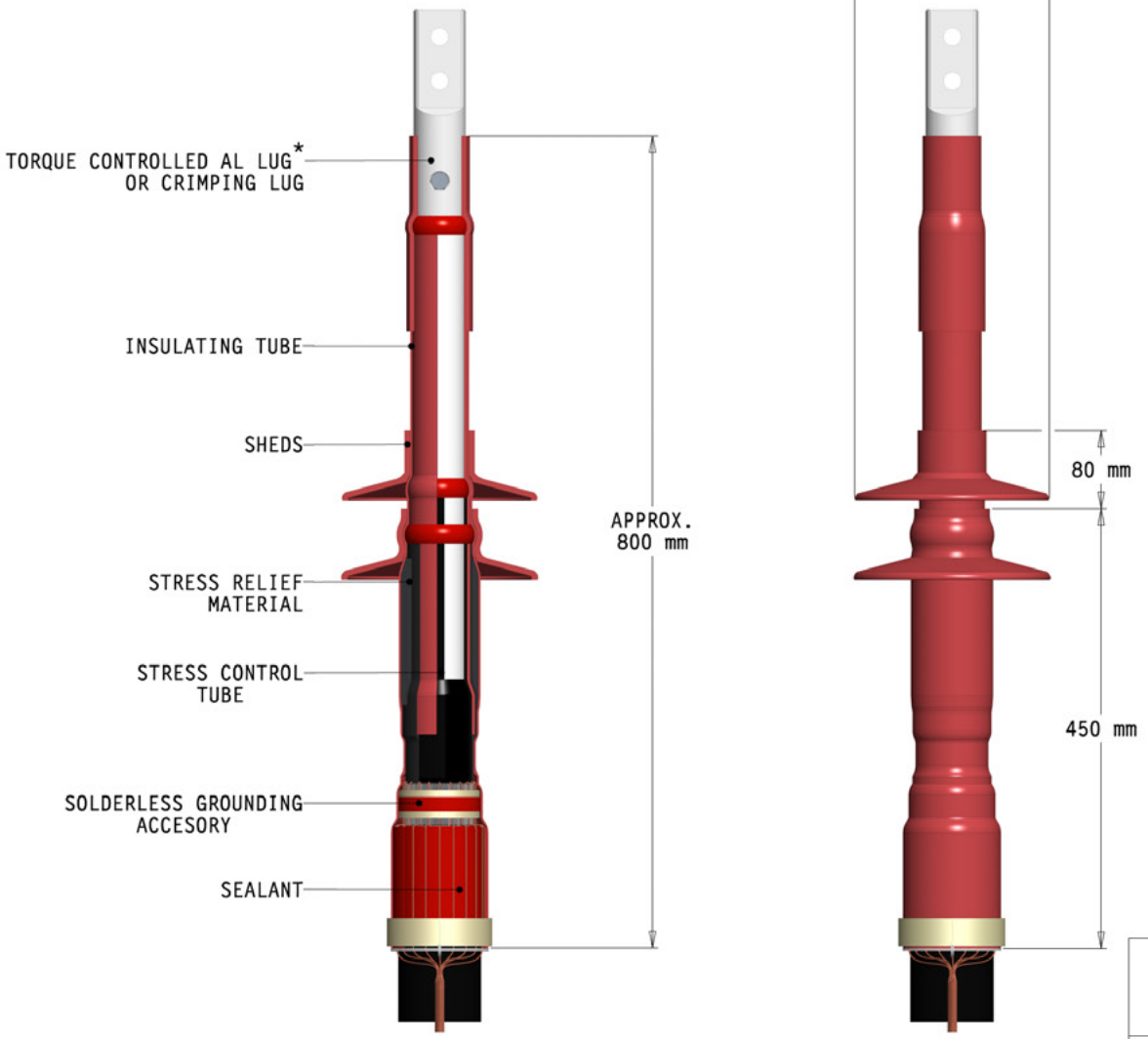


*AVAILABLE AS 30/40/50mm ROD OR
1-HOLE/2-HOLE/4-HOLE PAD

INDOOR-TERMINATION
52kV
HEAT SHRINKABLE
FOR XLPE-CABLE

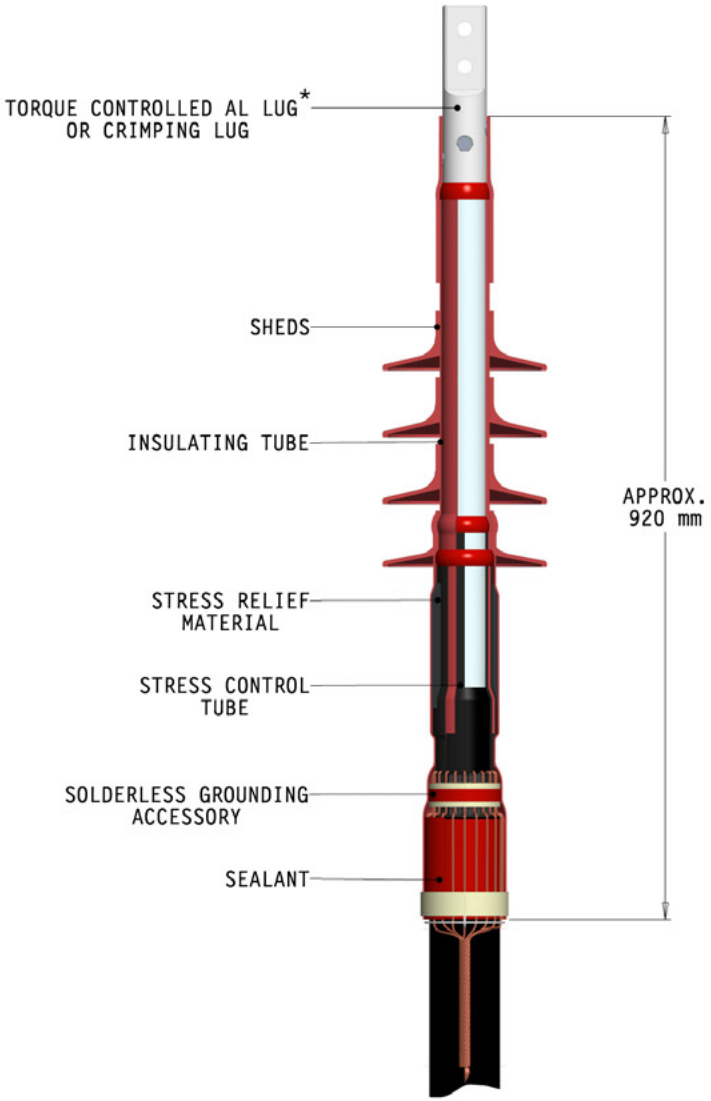
IHVT-52H
OFFER DRAWING

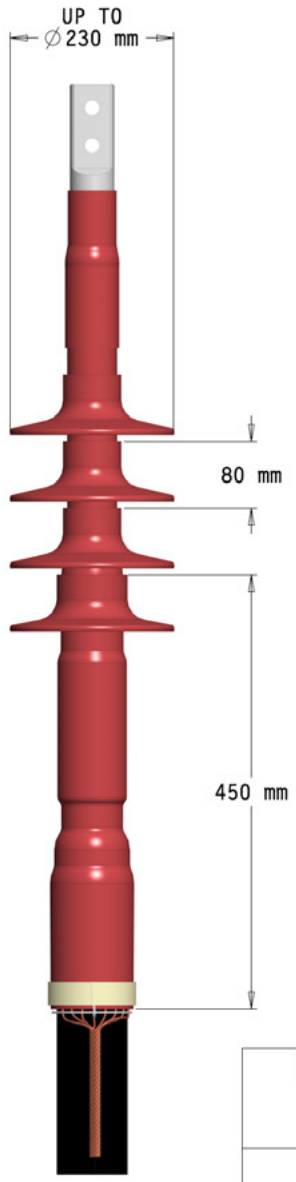
TE connectivity

Raychem High Voltage Cable Accessories

TE Connectivity drawing no: EPD-204-2380-00

REV. 1





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OUTDOOR-TERMINATION
52kV
HEAT SHRINKABLE
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OHVT-52H

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Raychem High Voltage Cable Accessories

TE Connectivity drawing no: EPD-204-2415-00

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