



# HIGH VOLTAGE OUTDOOR & INDOOR HEAT SHRINK TERMINATIONS OHVT-72H / IHVT-72H / LHVT-72H

UP TO 72 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-72H/IHVT-72H/LHVT-72H



### MECHANICAL DATA

	IHVT-72H	OHVT-72H	LHVT-72H
Length	1010 mm	1260 mm	1610 mm
Outer diameter of sheds	up to 230 mm		
Distance between sheds	up to 90 mm		
Weight approx	7 kg	7.5 kg	9.5 kg
Packing information	1600 x 245 x 205 mm	1600 x 245 x 205 mm	1884 x 250 x 302 mm

### DESIGN DATA

	IHVT-72H	OHVT-72H	LHVT-72H
Diameter over insulation	30-86 mm		
Max cross section	2500 mm <sup>2</sup>		
Creepage distance	up to 1600 mm	up to 2300 mm	up to 3100 mm
Flashover distance	850 mm	1260 mm	1550 mm
Material of Insulator-outer surface	EVA - Ethylenevinylacetate		
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 U <sub>0</sub> /U (Um)	36 / 66 (72.5) kV
Rated frequency	50 / 60 Hz
Basic impulse level	325 kV
AC withstand voltage (dry)	175 kV/min
AC withstand voltage (wet)	145 kV for 10 s
DC withstand voltage (dry)	245 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
Size 5	70 - 86 mm	≤ 110 mm

\* Not available for LHVT



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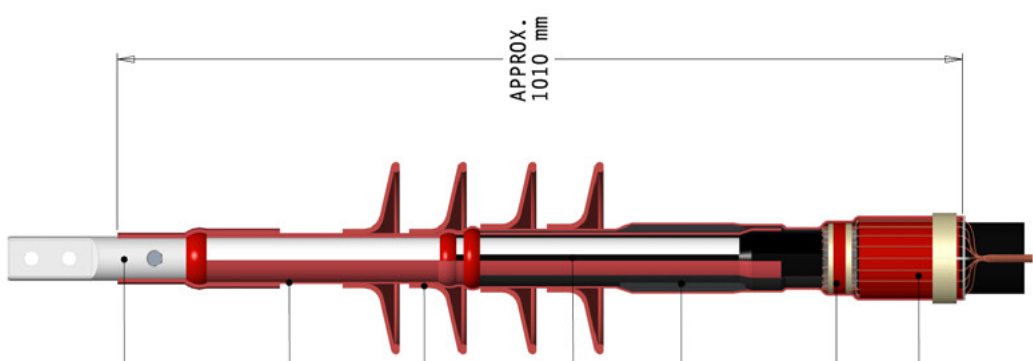
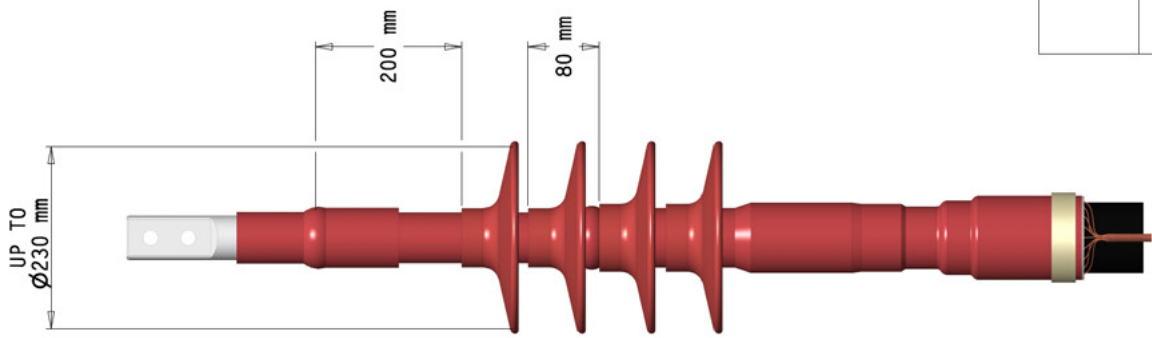
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- TORQUE CONTROLLED AL LUG\* OR CRIMPING LUG
- INSULATING TUBE
- SHEDS
- STRESS CONTROL TUBE
- STRESS RELIEF MATERIAL
- SOLDERLESS GROUNDING ACCESSORY
- SEALANT

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

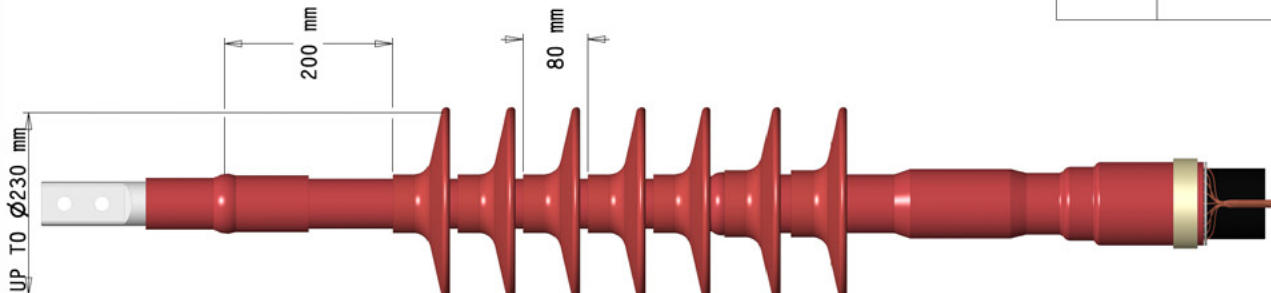
INDOOR-TERMINATION  
72KV  
HEAT SHRINKABLE  
FOR XLPE-CABLE

IHVT-72H  
OFFER DRAWING



Raychem High Voltage Cable Accessories  
TE Connectivity drawing no.: EPD-204-2417-00  
REV. 1

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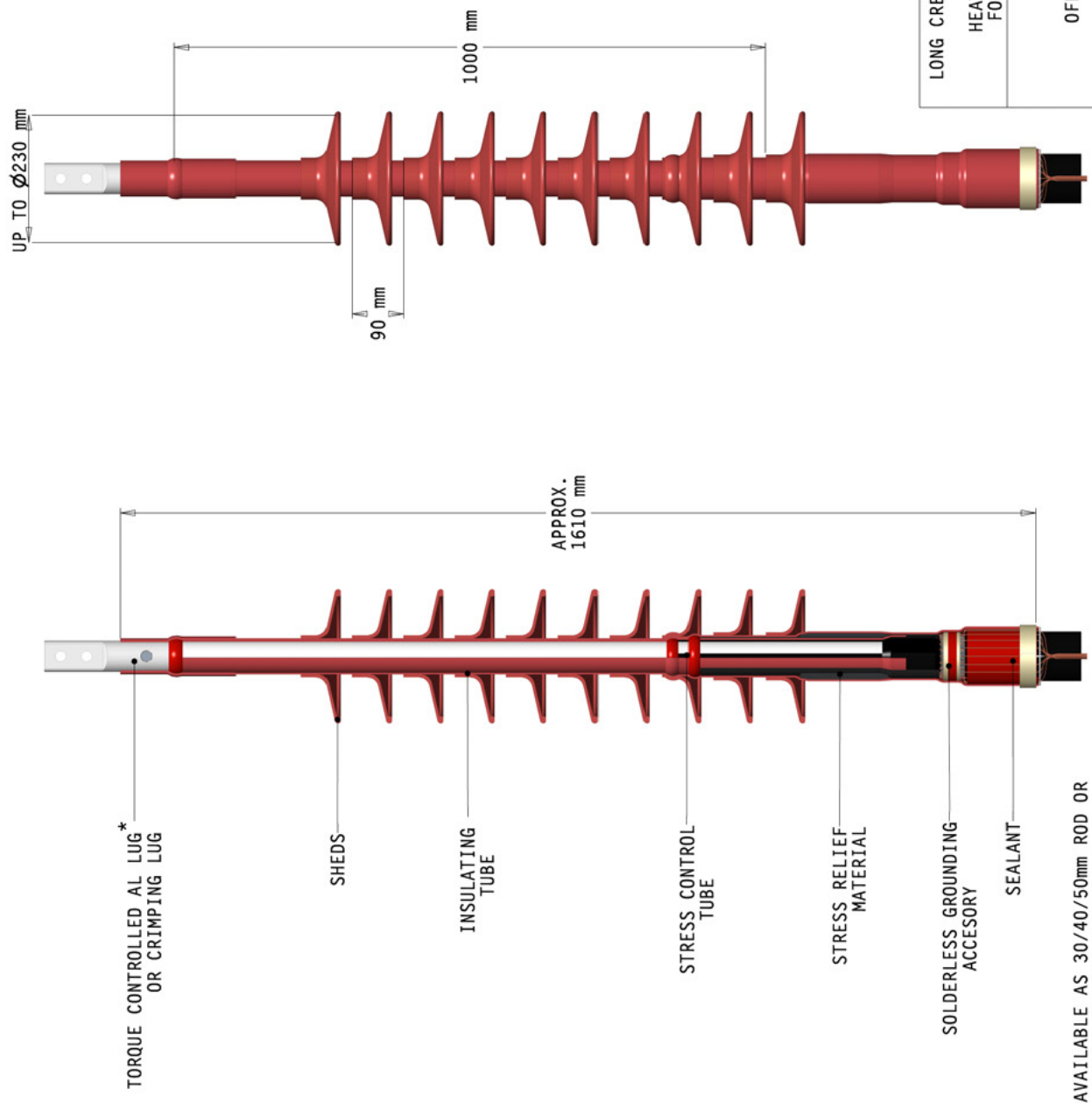
OUTDOOR-TERMINATION  
72KV  
HEAT SHRINKABLE  
FOR XLPE-CABLE

OHTV-72H  
OFFER DRAWING



Raychem High Voltage Cable Accessories  
TE Connectivity drawing no.: EPD-204-2416-00  
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LONG CREEPAGE-TERMINATION  
72kV  
HEAT SHRINKABLE  
FOR XLPE-CABLE

LHVT-72H  
OFFER DRAWING



Raychem High Voltage Cable Accessories  
TE Connectivity drawing no.: EPD-204-2418-00  
REV. 1

