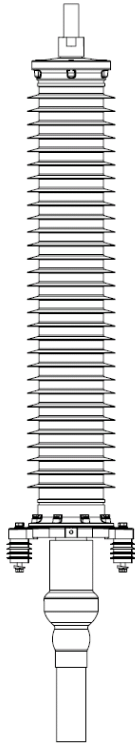


Basic Description

Fluid filled outdoor termination for cables with XLPE insulation, composite insulator and silicone rubber sheds, solid rod connector bolt and support insulators



Electrical data

Relevant standard	IEC 60840 / IEEE 48	
Rated voltage U_o/U (U_m)	kV	76/132 (145)
Rated frequency	Hz	50/60
Lightning impulse voltage 1,2/50 μ s	kV	650
Power frequency voltage withstand dry (1 min)	kV	310
Power frequency voltage withstand wet (10 s)	kV	275
DC voltage withstand (15 min)	kV	315
Rated current	kA	as per cable
Rated short-circuit current (conductor)	kA	as per cable
Rated short-circuit current (sheath) 1s	kA	40
Total creepage distance	mm	3392
Protected creepage distance (90° shadow)	mm	1200
Flash-over distance	mm	1430
Withstand voltage of support insulators (AC/DC)	kV	10/20

Mechanical data

Length L without connection bolt	mm	1771
Outer diameter D of insulator	mm	294
Inner diameter of insulator	mm	198
Cantilever force	N	5000
Max. permissible radial pull at connection bolt	N	2000
Diameter of connection bolt	mm	30/40/50
Length of connection bolt	mm	100/130
Earth connection		4 x M12
Weight approx.	kg	105
Silicone-Oil volume approx.	l	37

Design data

Diameter over insulation	34 – 97 mm
Diameter over sheath	110 mm
Cable screen types	Cu-wires w/o laminated foil, lead sheath, corrugated metal sheath, Cu-tape (other types and combinations on request)
Max. Cross section (Cu / Al)	Approx. 2000 mm ²
Conductor connection	Mechanical (shear head bolts) or Compression connector
Material of connection bolt	Mechanical: aluminium / Compression: same as conductor
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 at core screen	8 kV/mm (at core screen of cable)
Insulating liquid	Silicone oil
Material of fittings	Aluminium
Clearance between terminations	As per IEC 60071-1

ENERGY DIVISION

While Tyco Electronics and its affiliates referenced herein have made every reasonable effort to ensure the accuracy of the information contained in this catalog, Tyco Electronics cannot assure that this information is error free. For this reason, Tyco Electronics does not make any representation or offer any guarantee that such information is accurate, correct, reliable or current. Tyco Electronics reserves the right to make any adjustments to the information at any time. Tyco Electronics expressly disclaims any implied warranty regarding the information contained herein, including, but not limited to, the implied warranties of merchantability or fitness for a particular purpose. Tyco Electronics' only obligations are those stated in Tyco Electronics' Standard Terms and Conditions of Sale. Tyco Electronics will in no case be liable for any incidental, indirect or consequential damages arising from or in connection with, including, but not limited to, the sale, resale, use or misuse of its products. Users should rely on their own judgment to evaluate the suitability of a product for a certain purpose and test each product for its intended application.

In case of any potential ambiguities or questions, please don't hesitate to contact us for clarification.

Tyco Electronics Raychem GmbH – Energy Division
 Finsinger Feld 1 D-85521 Otterbrunn · Tel. (+49) 89 6089-0 · Fax (+49) 89 6096345
<http://energy.tycoelectronics.com>

 **Tyco Electronics**