

TECHNICAL PARTICULARS

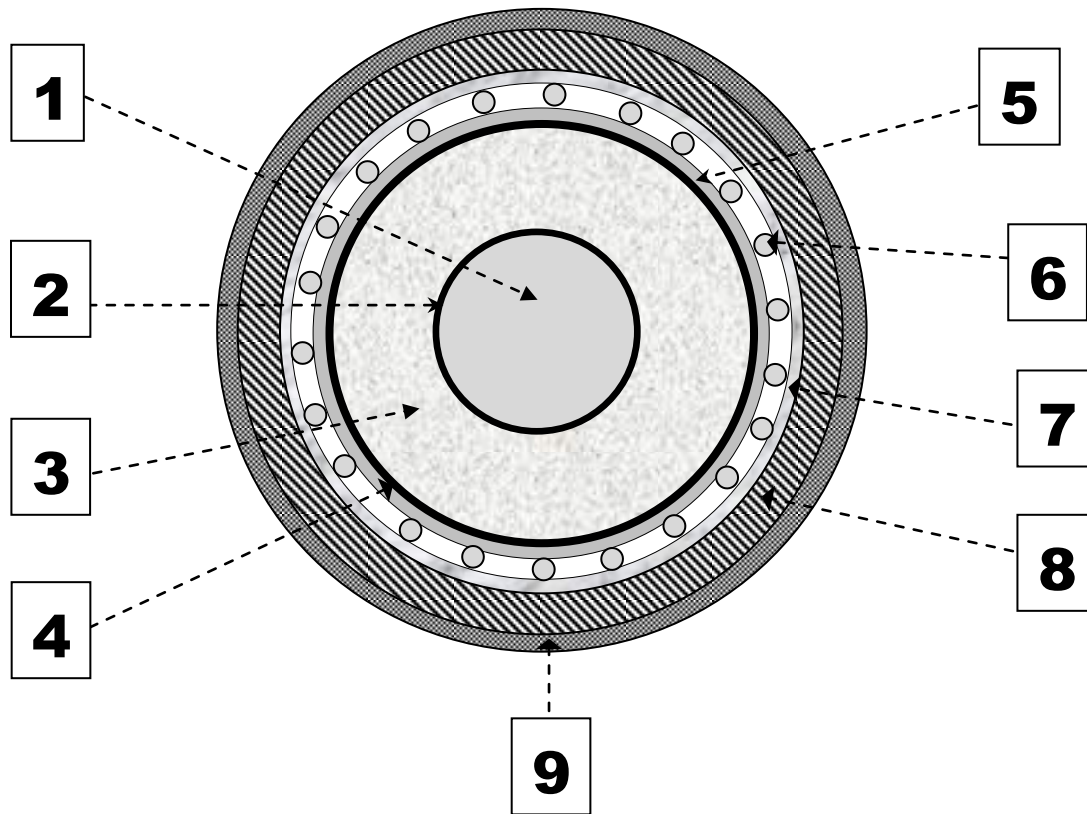
Rated Voltage of cable	KV	19/33 (Um=36)	
Nominal Cross-section	mm ²	185	300
Number of conductors	Nr	1	
Material of conductor		Aluminium with water blocking protection	
Shape of conductor		Round stranded compacted class 2 to IEC 60228	
Type of conductor screen		Extruded fully bonded semi-conducting compound	
Type of insulation		Cross-linked polyethylene (XLPE)	
Approx. diameter over insulation	mm	32	37
Type of insulation screen		Extruded fully bonded semi-conducting compound plus semi-conducting/water-blocking tape	
Type of metallic screen		Aluminium wires	
Total geometric area of metallic screen	mm ²	82 (equivalent to copper wires 50mm ²)	82 (equivalent to copper wires 50mm ²)
Longitudinal water sealing		Water-blocking tape	
Type of outer sheath		Black PE with extruded semi-conducting layer	
Approx. outer diameter	mm	43	47
Approx. cable net weight	Kg/Km	1630	2110
Packing length in wooden drum	mt	Upon agreement	
Max. DC resistance at 20°C	Ohm/km	0.164	0.100
Max. AC resistance at 90°C	Ohm/km	0.211	0.130
Reactance (50 Hz) trefoil	Ohm/km	0.111	0.103
Capacitance	μF/km	0.29	0.35
Continuous current rating in ground (trefoil formation. soil temperature: 15°C. soil thermal resistivity: 1.2 K m/W. depth of laying: 0.8m)	Amp	360	475
Drawing	DT	50597.1	
Cables specification		IEC 60502-2	

Reported values of technical particulars are nominal and may vary within the tolerances permitted by relevant offered standards. This document is property of NEXANS HELLAS ISA and cannot be reproduced without written authorization



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- 1: ALUMINIUM CONDUCTOR WITH WATER BLOCKING PROTECTION
- 2: SEMICONDUCTING SCREEN
- 3: XLPE INSULATION
- 4: SEMICONDUCTING SCREEN
- 5: SEMICONDUCTING/WATERBLOCKING TAPE
- 6: ALUMINIUM WIRES SCREEN
- 7: WATERBLOCKING TAPE
- 8: PE OUTER SHEATH
- 9: EXTRUDED SEMI-CONDUCTING LAYER

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AL(WB)/XLPE/AWS/WBT/PE 1CORE 19/33KV

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