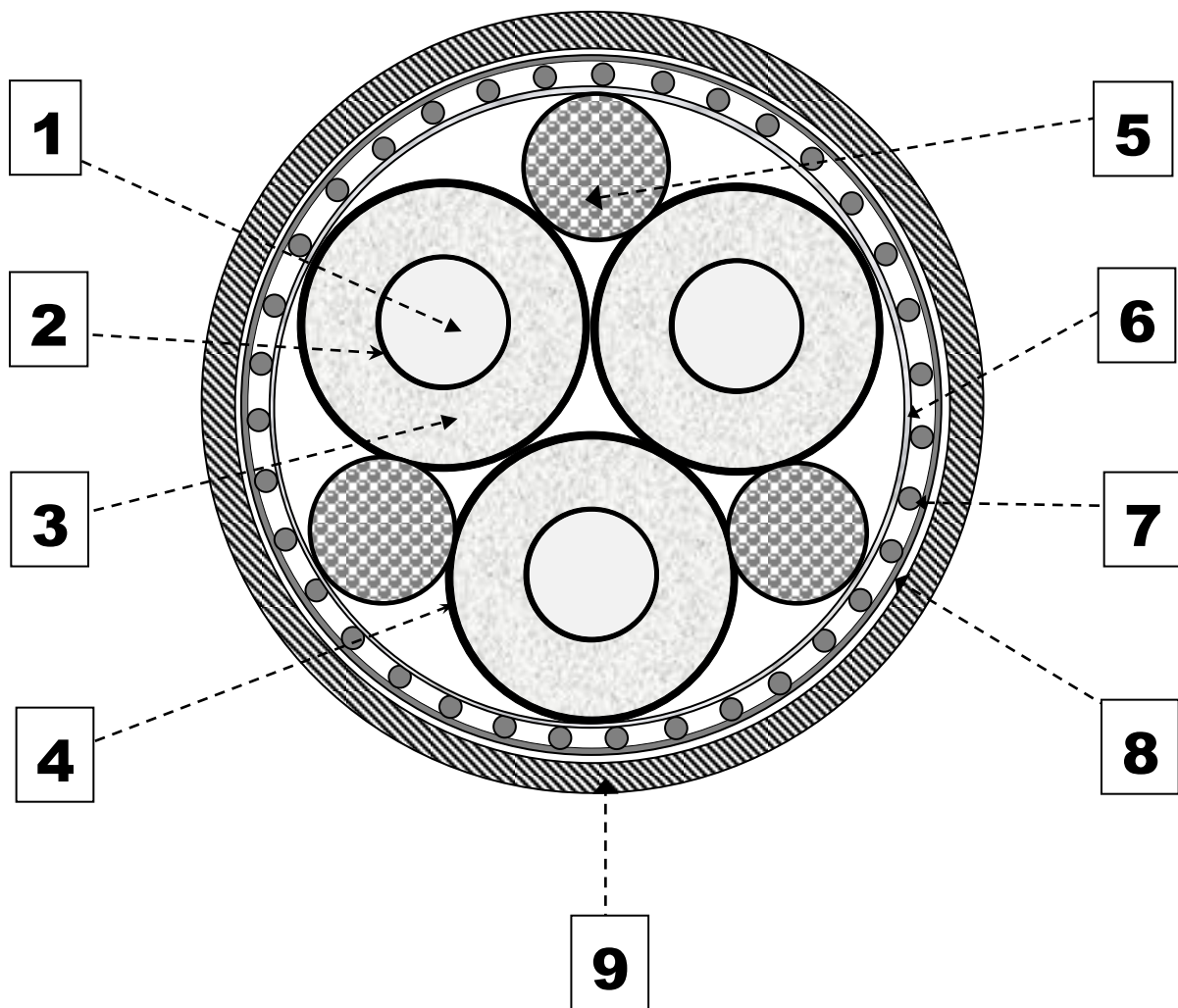


TECHNICAL PARTICULARS


Rated Voltage of cable	KV	6.35/11 (Um=12)			
Nominal cross-section of conductor	mm ²	70	150	240	300
Number of conductors	Nr	3			
Material of conductor		Aluminium with water blocking protection			
Shape of conductor		Round stranded compacted class 2 to IEC 60228			
Conductor diameter (approximate)	mm	9.9	14.3	18.3	20.5
Type of conductor screen		Extruded fully bonded semi-conducting compound			
Nominal thickness of conductor screen	mm	0.5	0.5	0.5	0.5
Type of insulation		Cross-linked polyethylene (XLPE)			
Minimum average thickness of insulation	mm	3.0	3.0	3.0	3.0
Minimum thickness of insulation at any point	mm	2.96	2.96	2.96	2.96
Type of insulation screen		Extruded easy-strippable semi-conducting compound			
Nominal thickness of insulation screen		0.7	0.7	0.7	0.7
Type of filler		PE tubes			
Type of metallic screen		Collective, copper wires plus counter helix copper tape			
Total geometric area of metallic screen	mm ²	60			
Number of wires x nominal diameter of wire (indicative construction)	No x mm	62x1.1	62x1.1	62x1.1	62x1.1
Type of outer sheath		Red UV resistant LLDPE			
Minimum average thickness of outer sheath	mm	2.6	2.9	3.2	3.3
Minimum thickness of outer sheath at any point	mm	2.11	2.37	2.62	2.71
Nominal overall diameter of finished cable	mm	48	58	67	72
Approx. cable net weight	Kg/m	2.1	3.1	4.2	4.8
Packing length in wooden drum	mt	Upon agreement			
Max. DC resistance of phase & conductor at 20°C	Ohm/km	0.443	0.206	0.125	0.100
Max. AC resistance of phase conductor at 90°C	Ohm/km	0.568	0.265	0.161	0.130
Max. DC resistance of earth conductor at 20°C	Ohm/km	0.297	0.297	0.297	0.297
Reactance (50 Hzi)	Ohm/km	0.106	0.094	0.089	0.086
Zero sequence resistance at 20°C	Ohm/km	0.195	0.140	0.104	0.090
Zero sequence reactance at 50 Hz	Ohm/km				
Capacitance	µF/km	0.32	0.42	0.51	0.56
Minimum installation radius on cable route	mm	960	1160	1340	1440
Minimum installation radius adjacent to terminations	mm	720	870	1005	1080
Continuous current rating in ground (trefoil formation, soil temperature: 10°C, soil thermal resistivity: 1.0 K m/W)	Amp	215	331	419	479
Short circuit rating (core)					
Duration					
0,1sec	kA	20.4	43.6	69.8	87.3
1 sec	kA	6.4	13.8	22	27.6
2 sec's	kA	4.6	9.7	15.6	19.5
3 sec's	kA	3.7	7.9	12.7	15.9
Short circuit rating (screen)					
3 sec's	kA	4.5	4.5	4.5	4.5
Maximum installation tension	kN	6.3	13.5	21.6	27
Drawing	No	7002			
Cables specification		BS 7870-4.20 & SP- NET- CAB-422			

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



- 1: ALUMINIUM CONDUCTOR WITH WATER BLOCKING PROTECTION
- 2: SEMICONDUCTING SCREEN
- 3: XLPE INSULATION
- 4: SEMICONDUCTING SCREEN
- 5: FILLER (PE TUBES)
- 6: SEMICONDUCTING WRAPPING TAPES
- 7: COLLECTIVE METALLIC SCREEN CONSISTED OF COPPER WIRES PLUS COPPER TAPE
- 8: SYNTHETIC TAPE
- 9: PE SHEATH

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		DATE 22/10/2019
	AL(WB)/XLPE/CWS+CTS/PE 3CORE 11KV	No-7002