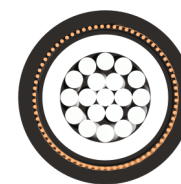
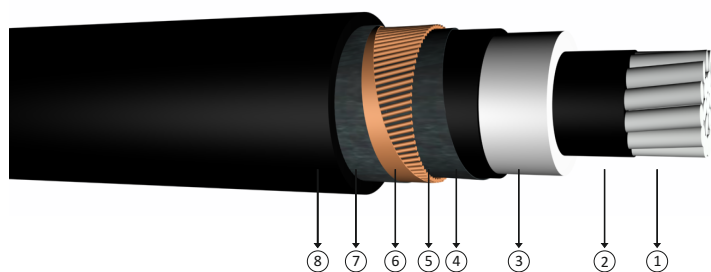


8.7/15 kV XLPE insulated, single core cables with aluminium conductor



Code: NA2XS2Y, AL/XLPE/CWS/PE

Standards: IEC 60502 - 2, VDE 0276 - 620

Technical Data

Max. operating temperature : 90 °C
 Max. short circuit temperature : 250 °C (max. 5 sec.)
 Rated voltage : 8.7/15 kV
 Min. bending radius : 15 x D
 D : Cable outer diameter

Application

These are cables with low dielectric losses used in energy networks with sudden load changes. Laid in residential or industrial areas, underground or in ducts.

Construction

- 1 Stranded aluminium conductor
- 2 Inner semi conductive layer
- 3 XLPE insulation
- 4 Outer semi conductive layer
- 5 Semi conductive tape
- 6 Copper screen
- 7 Polyester tape
- 8 PE outer jacket

DIMENSION AND WEIGHTS			ELECTRICAL PROPERTIES									
Nominal Cross Section	Overall Diameter (approx)	Net Weight (approx)	Delivery Length	DC Conductor Resistance at 20 °C Max	DC Conductor Resistance at 90 °C Max	Operation Inductance		Operation Capacitance	Current Carrying Capacity (A)			
mm ²	mm	kg/km	m	ohm/km	ohm/km	*** mH/km	** mH/km	µF/km	In ground at 20 °C		In air at 30 °C	
									***	**	***	**
1x35/16	28,0	650	1000	0,868	1,1110	0,672	0,422	0,181	-	-	-	-
1x50/16	29,0	700	1000	0,641	0,8205	0,646	0,403	0,201	194	171	215	181
1x70/16	30,5	800	1000	0,443	0,5670	0,615	0,381	0,229	236	209	269	226
1x95/16	32,5	900	1000	0,320	0,4096	0,591	0,364	0,255	281	249	327	275
1x120/16	34,5	1050	1000	0,253	0,3238	0,572	0,353	0,278	318	283	377	317
1x150/25	35,5	1250	1000	0,206	0,2637	0,555	0,341	0,302	350	316	424	359
1x185/25	37,5	1400	1000	0,164	0,2099	0,539	0,332	0,328	393	358	485	412
1x240/25	40,5	1600	1000	0,125	0,1600	0,519	0,321	0,363	453	416	573	489
1x300/25	42,5	1800	1000	0,100	0,1280	0,502	0,311	0,398	507	469	652	559
1x400/35	46,0	2300	1000	0,0778	0,1009	0,482	0,301	0,447	559	532	741	651
1x500/35	49,5	2650	1000	0,0605	0,0774	0,466	0,293	0,491	622	599	838	744
1x630/35	53,0	3100	1000	0,0469	0,0600	0,450	0,285	0,543	697	679	957	851

Note
 In ground : Current carrying capacities are valid under the following conditions;
 : 20 °C, 70 cm depth of lay, soil-thermal resistivity 1 K.m/W, load factor 0.7
 In air : 30 °C, load factor 1.0
 *** : Flat formation, clearance between cables; in air = 1 x Cable outer diameter, in ground = 7 cm
 *** : Trefoil formation
 Number of system : 1