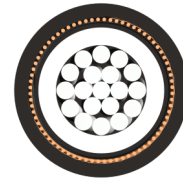
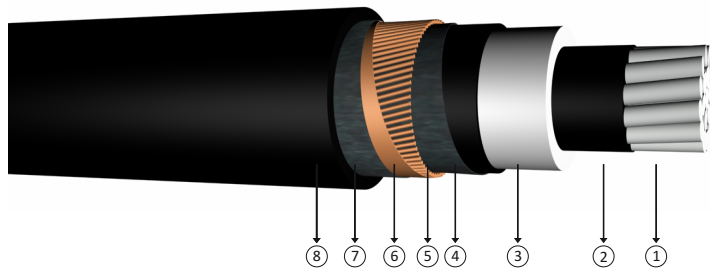


8.7/15 kV XLPE insulated, longitudinally sealed, single core cables with aluminium conductor



Code: NA2XS(F)2Y, AL/XLPE/LW/CWS/LW/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. If the cable gets water inside due to the mechanical damages, swellable tapes prevent the movement of the water inside the cable.

Construction

- 1 Stranded aluminium conductor
- 2 Inner semi conductive layer
- 3 XLPE insulation
- 4 Outer semi conductive layer
- 5 Semi conductive swelling tape
- 6 Copper screen
- 7 Swellable 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