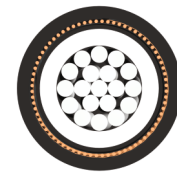
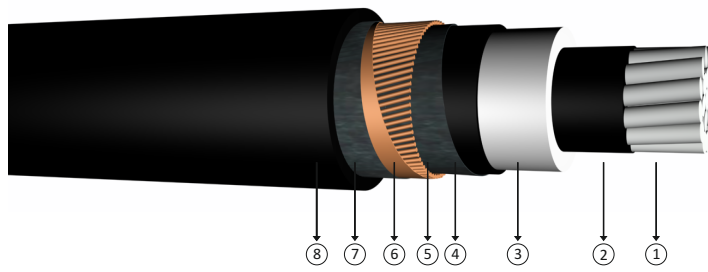


3.6/6 kV XLPE insulated, single core cables with aluminium conductor



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 : 3.6/6 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	24,0	500	1000	0,868	1,1110	0,663	0,391	0,283	-	-	-	-
1x50/16	25,0	550	1000	0,641	0,8205	0,638	0,374	0,318	186	178	233	188
1x70/16	26,5	650	1000	0,443	0,5670	0,607	0,353	0,368	234	217	280	235
1x95/16	28,5	750	1000	0,320	0,4096	0,583	0,338	0,414	287	259	344	286
1x120/16	30,0	850	1000	0,253	0,3238	0,564	0,327	0,455	338	298	392	329
1x150/25	31,5	1050	1000	0,206	0,2637	0,547	0,317	0,499	388	333	441	376
1x185/25	33,5	1200	1000	0,164	0,2099	0,531	0,309	0,544	449	377	510	428
1x240/25	36,5	1400	1000	0,125	0,1600	0,511	0,299	0,587	530	438	587	508
1x300/25	39,0	1600	1000	0,100	0,1280	0,446	0,294	0,603	605	495	682	586
1x400/35	43,0	2100	1000	0,0778	0,1009	0,476	0,287	0,642	678	562	781	676
1x500/35	46,5	2450	500	0,0605	0,0774	0,461	0,282	0,667	762	633	883	772
1x630/35	50,0	2900	500	0,0469	0,0600	0,445	0,275	0,739	858	712	1007	882

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