



Code: NA2XS2Y, AL/XLPE/CWS/PE

Standards: HD 620 S2, TSEK

Technical Data

Max. operating temperature : 90 °C
 Max. short circuit temperature : 250 °C (max. 5 sec.)
 Rated voltage : 20.3/35 kV
 : 20.8/36 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	37,5	1000	1000	0,868	1,1110	0,690	0,480	0,115	-	-	-	-
1x50/16	38,5	1100	1000	0,641	0,8205	0,664	0,459	0,125	196	175	217	187
1x70/16	40,5	1250	1000	0,443	0,5670	0,633	0,434	0,140	238	214	270	232
1x95/16	42,0	1400	1000	0,320	0,4096	0,609	0,416	0,153	284	256	328	281
1x120/16	44,0	1500	1000	0,253	0,3238	0,590	0,401	0,165	322	290	378	323
1x150/25	45,5	1750	1000	0,206	0,2637	0,572	0,389	0,178	355	324	425	365
1x185/25	47,5	1950	1000	0,164	0,2099	0,556	0,376	0,191	400	366	485	418
1x240/25	50,0	2200	1000	0,125	0,1600	0,535	0,363	0,209	461	426	572	494
1x300/25	52,5	2450	1000	0,100	0,1280	0,519	0,351	0,226	516	479	649	564
1x400/35	55,5	2950	1000	0,0778	0,1009	0,497	0,338	0,252	572	545	737	654
1x500/35	59,0	3400	1000	0,0605	0,0774	0,481	0,328	0,274	638	614	835	747
1x630/35	62,5	3900	1000	0,0469	0,0600	0,464	0,317	0,300	728	690	950	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