

6 kV Power Cable NA2XSY According To IEC 60502

Size of Cable	XLPE Insulation Thickness	Copper Screen	Conductor Diameter	Overall Diameter
mm ²	mm	mm ²	mm	mm
1x50	2.5	16	8.2	21.5
1x70	2.5	16	10	23
1x95	2.5	16	11.2	24.5
1x120	2.5	16	12.7	26
1x150	2.5	25	14.3	28
1x185	2.5	25	16	30
1x240	2.6	25	18.4	32.5
1x300	2.8	25	20.5	35.5
1x400	3	35	23.3	39
1x500	3.2	35	26.5	42.5



Size of Cable	Approx. weight	Min. Bending Radius	Current Rating in Ground		Current Rating in Air	Conductor Resistance	Inductance	Capacitance	PVC Outer Sheath Thickness
						DC 20°C			
mm ²	kg/km	mm	A	A	A	Ω/km	mH/km	μF/km	mm
1x50	595	320	193	169	213	0.641	0.40	0.29	1.8
1x70	669	350	235	206	268	0.443	0.37	0.35	1.8
1x95	782	370	246	245	326	0.32	0.34	0.36	1.8
1x120	882	390	316	279	376	0.253	0.33	0.37	1.8
1x150	1076	420	347	312	423	0.206	0.32	0.42	1.9
1x185	1200	450	390	354	485	0.164	0.31	0.47	1.9
1x240	1560	490	449	410	573	0.125	0.30	0.52	2
1x300	1700	530	503	464	652	0.1	0.29	0.57	2.1
1x400	2270	590	552	526	737	0.0778	0.28	0.65	2.2
1x500	2800	640	615	595	835	0.0605	0.26	0.69	2.3

Cable construction: Circular compacted Aluminum conductor, conductor screen of semi conducting compound, dry cured cross-linked polyethylene (XLPE) insulation, screen of semi conducting compound plus semi conducting tape, screen of copper wires and copper tape applied helically, heat resistant & moisture barrier polyester tape, PVC outer sheath.

Application: In ground, outdoors, indoors & in cable ducts.