

6 kV Power Cable NA2XSEY According To IEC 60502

Size of Cable	XLPE Insulation Thickness	Copper Screen	Conductor Diameter	Overall Diameter
mm ²	mm	mm ²	mm	mm
3x50	2.5	16	8.2	45
3x70	2.5	16	10	49
3x95	2.5	16	11.2	52
3x120	2.5	16	12.7	55
3x150	2.5	25	14.3	60
3x185	2.5	25	16	64
3x240	2.6	25	18.4	70
3x300	2.8	25	20.5	76
3x400	3	35	23.3	83



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	Ω/km	mH/km	μF/km	mm
3x50	2445	675	160	158	0.641	0.38	0.29	2.4
3x70	2870	735	197	194	0.443	0.35	0.35	2.5
3x95	3390	780	235	238	0.32	0.32	0.36	2.6
3x120	3890	825	265	275	0.253	0.31	0.37	2.7
3x150	4560	900	298	313	0.206	0.30	0.42	2.9
3x185	5200	960	340	356	0.164	0.29	0.47	3
3x240	6470	1050	397	421	0.125	0.28	0.52	3.2
3x300	7990	1140	455	491	0.1	0.27	0.57	3.4
3x400	9160	1245	526	560	0.0778	0.26	0.65	3.7

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 over each individual core, heat resistant & moisture barrier polyester tape, extruded inner covering, PVC outer sheath.

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

6 kV Power Cable NA2XSYBY According To IEC 60502

Size of Cable	XLPE Insulation Thickness	Copper Screen	Conductor Diameter	Aluminum Tape Thickness (Armor)	Overall Diameter
mm ²	mm	mm ²	mm	mm	mm
1x50	2.5	16	8.2	0.5	26
1x70	2.5	16	10	0.5	27
1x95	2.5	16	11.2	0.5	29
1x120	2.5	16	12.7	0.5	31
1x150	2.5	25	14.3	0.5	33
1x185	2.5	25	16	0.5	35
1x240	2.6	25	18.4	0.5	37
1x300	2.8	25	20.5	0.5	40
1x400	3	35	23.3	0.5	44
1x500	3.2	35	26.5	0.5	48



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	825	390	193	169	213	0.641	0.40	0.29	1.8
1x70	900	405	235	206	268	0.443	0.37	0.35	1.8
1x95	1070	435	246	245	326	0.32	0.34	0.36	1.9
1x120	1212	465	316	279	376	0.253	0.33	0.37	1.9
1x150	1410	495	347	312	423	0.206	0.32	0.42	2
1x185	1570	525	390	354	485	0.164	0.31	0.47	2.1
1x240	1950	555	449	410	573	0.125	0.30	0.52	2.2
1x300	2130	600	503	464	652	0.1	0.29	0.57	2.2
1x400	2390	660	552	526	737	0.0778	0.28	0.65	2.4
1x500	2840	720	615	595	835	0.0605	0.26	0.69	2.5

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 bedding, Armour of double aluminum tape, PVC outer sheath.

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

6 kV Power Cable NA2XSEYBY According To IEC 60502

Size of Cable	XLPE Insulation Thickness	Copper Screen	Conductor Diameter	Steel Tape Thickness (Armor)	Overall Diameter
mm ²	mm	mm ²	mm	mm	mm
3x50	2.5	16	8.2	0.5	47
3x70	2.5	16	10	0.5	51
3x95	2.5	16	11.2	0.5	54
3x120	2.5	16	12.7	0.5	58
3x150	2.5	25	14.3	0.5	62
3x185	2.5	25	16	0.5	66
3x240	2.6	25	18.4	0.5	72
3x300	2.8	25	20.5	0.5	78
3x400	3	35	23.3	0.8	87



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	Ω/km	mH/km	μF/km	mm
3x50	3225	705	160	158	0.641	0.38	0.29	2.5
3x70	3710	765	197	194	0.443	0.35	0.35	2.6
3x95	4340	810	235	238	0.32	0.32	0.36	2.7
3x120	4830	870	265	275	0.253	0.31	0.37	2.8
3x150	5530	930	298	313	0.206	0.30	0.42	3
3x185	6290	990	340	356	0.164	0.29	0.47	3.1
3x240	7870	1080	397	421	0.125	0.28	0.52	3.3
3x300	10350	1170	455	491	0.1	0.27	0.57	3.5
3x400	11980	1305	526	566	0.0778	0.26	0.65	3.8

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 over each individual core, heat resistant & moisture barrier polyester tape, extruded inner covering, PVC bedding, Armour of double steel tape, outer sheath.

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

6 kV Power Cable NA2XSYRY According To IEC 60502

Size of Cable	XLPE Insulation Thickness	Copper Screen	Conductor Diameter	Aluminum wire Armor Diameter	PVC Outer Sheath Thickness
mm ²	mm	mm ²	mm	mm	mm
1x50	2.5	16	8.2	1.6	1.8
1x70	2.5	16	10	1.6	1.9
1x95	2.5	16	11.2	1.6	1.9
1x120	2.5	16	12.7	1.6	2
1x150	2.5	25	14.3	2	2.1
1x185	2.5	25	16	2	2.1
1x240	2.6	25	18.4	2	2.2
1x300	2.8	25	20.5	2	2.3
1x400	3	35	23.3	2.5	2.5
1x500	3.2	35	26.5	2.5	2.6



Size of Cable	Overall Diameter	Approx. weight	Min. Bending Radius	Current Rating in Ground		Current Rating In Air	Conductor Resistance	Inductance	Capacitance
							DC 20°C		
mm ²	mm	Kg/km	mm	A	A	A	Ω/km	mH/km	μF/km
1x50	27	965	405	193	169	213	0.641	0.40	0.29
1x70	29	1090	435	235	206	268	0.443	0.37	0.35
1x95	30	1220	450	246	245	326	0.320	0.34	0.36
1x120	32	1370	480	316	279	376	0.253	0.33	0.37
1x150	35	1700	525	347	312	423	0.206	0.32	0.42
1x185	37	1840	555	390	354	485	0.164	0.31	0.47
1x240	39	2250	585	449	410	573	0.125	0.30	0.52
1x300	42	2820	630	503	464	652	0.1	0.29	0.57
1x400	47	3270	705	552	526	737	0.0778	0.28	0.65
1x500	51	3918	765	615	595	835	0.0605	0.26	0.69

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 bedding ,armor of aluminum wire PCV outer sheath.

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

6 kV Power Cable NA2XSEYRY According To IEC 60502

Size of Cable	XLPE Insulation Thickness	Copper Screen	Conductor Diameter	Steel wire Armor Diameter	PVC Outer Sheath Thickness
mm ²	mm	mm ²	mm	mm	mm
3x50	2.5	16	8.2	2.5	2.6
3x70	2.5	16	10	2.5	2.7
3x95	2.5	16	11.2	2.5	2.8
3x120	2.5	16	12.7	2.5	2.9
3x150	2.5	25	14.3	2.5	3.1
3x185	2.5	25	16	2.5	3.2
3x240	2.6	25	18.4	3.15	3.4
3x300	2.8	25	20.5	3.15	3.6
3x400	3	35	23.3	4	3.7



Size of Cable	Overall Diameter	Approx. weight	Min. Bending Radius	Current Rating In Ground	Current Rating In Air	Conductor Resistance	Inductance	Capacitance
						DC 20°C		
mm ²	mm	Kg/km	mm	A	A	Ω /km	mH/km	μF/km
3x50	50	4510	756	160	158	0.641	0.38	0.29
3x70	54	5130	810	197	194	0.443	0.35	0.35
3x95	57	5770	855	235	238	0.32	0.32	0.36
3x120	61	6550	915	265	275	0.253	0.31	0.37
3x150	66	7380	990	298	313	0.206	0.30	0.42
3x185	70	8150	1050	340	356	0.164	0.29	0.47
3x240	75	10590	1125	397	421	0.125	0.28	0.52
3x300	81	12390	1215	455	491	0.1	0.27	0.57
3x400	86	12900	1290	526	560	0.0778	0.26	0.65

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 over each individual core , heat resistant & moisture barrier polyester tape ,PVC bedding, armor of steel wire , PVC outer sheath.

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