

30 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	8	16	8.2	33
1x70	8	16	10	35
1x95	8	16	11.2	36
1x120	8	16	12.7	38
1x150	8	25	14.3	40
1x185	8	25	16	42
1x240	8	25	18.4	44
1x300	8	25	20.5	47
1x400	8	35	23.3	50
1x500	8	35	26.5	53



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	1190	500	195	175	220	0.641	0.5	0.13	2
1x70	1260	520	238	214	274	0.443	0.48	0.15	2.1
1x95	1310	540	283	255	333	0.32	0.45	0.16	2.1
1x120	1420	570	321	289	383	0.253	0.43	0.17	2.2
1x150	1570	600	355	323	431	0.206	0.41	0.19	2.2
1x185	1720	630	399	365	493	0.164	0.40	0.20	2.3
1x240	2000	660	460	423	581	0.125	0.38	0.22	2.4
1x300	2130	700	514	477	660	0.1	0.37	0.24	2.5
1x400	2700	750	572	543	755	0.0778	0.36	0.27	2.6
1x500	3180	800	643	617	863	0.0605	0.34	0.29	2.7

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 ,heat resistant & moisture barrier polyester tape, PVC outer sheath.

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

30 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	8	16	8.2	71
3x70	8	16	10	75
3x95	8	16	11.2	78
3x120	8	16	12.7	81
3x150	8	25	14.3	86
3x185	8	25	16	90
3x240	8	25	18.4	96
3x300	8	25	20.5	100
3x400	8	35	23.3	107



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	5764	1070	166	165	0.641	0.48	0.13	3.2
3x70	6190	1120	204	204	0.443	0.46	0.15	3.4
3x95	7020	1170	245	248	0.32	0.43	0.16	3.5
3x120	7550	1215	277	286	0.253	0.41	0.17	3.6
3x150	8590	1290	312	323	0.206	0.39	0.19	3.7
3x185	9440	1350	353	370	0.164	0.38	0.20	3.9
3x240	10810	1440	410	435	0.125	0.36	0.22	4.1
3x300	12690	1500	462	498	0.1	0.35	0.24	4.2
3x400	14010	1605	526	577	0.0778	0.34	0.27	4.4

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.

30 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	8	16	8.2	0.5	38
1x70	8	16	10	0.5	39
1x95	8	16	11.2	0.5	41
1x120	8	16	12.7	0.5	43
1x150	8	25	14.3	0.5	45
1x185	8	25	16	0.5	47
1x240	8	25	18.4	0.5	49
1x300	8	25	20.5	0.5	52
1x400	8	35	23.3	0.5	55
1x500	8	35	26.5	0.5	58



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	1490	570	195	175	220	0.641	0.5	0.13	2.2
1x70	1630	585	238	214	274	0.443	0.48	0.15	2.2
1x95	1700	615	283	255	333	0.32	0.45	0.16	2.3
1x120	1780	645	321	289	383	0.253	0.43	0.17	2.3
1x150	2210	675	355	323	431	0.206	0.41	0.19	2.4
1x185	2400	705	399	365	493	0.164	0.40	0.20	2.5
1x240	2650	735	460	423	581	0.125	0.38	0.22	2.5
1x300	2960	780	514	477	660	0.1	0.37	0.24	2.6
1x400	3350	825	572	543	755	0.0778	0.36	0.27	2.7
1x500	4070	870	643	617	863	0.0605	0.34	0.29	2.8

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 ,heat resistant & moisture barrier polyester tape, PVC bedding, Armour of double aluminum tape , PVC outer sheath.

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

30 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	8	16	8.2	0.5	73
3x70	8	16	10	0.5	77
3x95	8	16	11.2	0.8	81
3x120	8	16	12.7	0.8	85
3x150	8	25	14.3	0.8	89
3x185	8	25	16	0.8	93
3x240	8	25	18.4	0.8	99
3x300	8	25	20.5	0.8	104
3x400	8	35	23.3	0.8	110



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	6470	1100	166	165	0.641	0.48	0.13	3.3
3x70	7690	1150	204	204	0.443	0.46	0.15	3.4
3x95	8520	1210	245	248	0.32	0.43	0.16	3.6
3x120	9150	1270	277	286	0.253	0.41	0.17	3.7
3x150	9500	1330	312	323	0.206	0.39	0.19	3.9
3x185	10940	1440	353	370	0.164	0.38	0.20	4
3x240	12500	1480	410	435	0.125	0.36	0.22	4.2
3x300	14700	1560	462	498	0.1	0.35	0.24	4.3
3x400	17300	1650	526	577	0.0778	0.34	0.27	4.5

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

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

30 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	8	16	8.2	2	2.2
1X70	8	16	10	2	2.3
1X95	8	16	11.2	2	2.3
1X120	8	16	12.7	2.5	2.4
1X150	8	25	14.3	2.5	2.5
1X185	8	25	16	2.5	2.6
1X240	8	25	18.4	2.5	2.7
1X300	8	25	20.5	2.5	2.7
1X400	8	35	23.3	2.5	2.8
1X500	8	35	26.5	2.5	2.9



Size of Cable	Overall Diameter	Approx. weight	Min. Bending Radius	Current Rating in Ground		Current Rating in Air	Conductor Resistance	Inductance	Capacitance
							DC20°C		
mm ²	mm	Kg/km	mm	A	A	A	Ω/km	mH/km	μF/km
1X50	40	1740	600	195	175	220	0.641	0.5	0.13
1X70	42	1865	630	238	214	274	0.443	0.48	0.15
1X95	43	2060	645	283	255	333	0.32	0.45	0.16
1X120	46	2130	690	321	289	383	0.253	0.43	0.17
1X150	48	2245	720	355	323	431	0.206	0.41	0.19
1X185	50	2800	750	399	365	493	0.164	0.40	0.20
1X240	53	3080	795	460	423	581	0.125	0.38	0.22
1X300	55	3280	825	514	477	660	0.1	0.37	0.24
1X400	58	3960	870	572	543	755	0.0778	0.36	0.27
1X500	62	4730	930	643	617	863	0.0605	0.34	0.29

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, PVC outer sheath.

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

30 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	8	16	8.2	3.15	3.5
3X70	8	16	10	3.15	3.6
3X95	8	16	11.2	3.15	3.7
3X120	8	16	12.7	3.15	3.8
3X150	8	25	14.3	4	4
3X185	8	25	16	4	4.2
3X240	8	25	18.4	4	4.3
3X300	8	25	20.5	4	4.5
3X400	8	25	23.3	5	4.8



Size of Cable	Overall Diameter	Approx. weight	Min. Bending Radius	Current Rating in Ground	Current Rating in Air	Conductor Resistance	Inductance	Capacitance
						DC20°C		
mm ²	mm	kg/km	mm	A	A	Ω/km	mH/km	μF/km
3X50	77	8870	1160	166	165	0.641	0.48	0.13
3X70	81	9990	1220	204	204	0.443	0.46	0.15
3X95	84	11000	1260	245	248	0.32	0.43	0.16
3X120	88	12300	1320	277	286	0.253	0.41	0.17
3X150	94	13700	1410	312	323	0.206	0.39	0.19
3X185	99	15000	1490	353	370	0.164	0.38	0.20
3X240	104	16600	1560	410	435	0.125	0.36	0.22
3X300	109	19500	1640	462	498	0.1	0.35	0.24
3X400	118	20300	1770	526	577	0.1778	0.34	0.27

Cable construction: Circular compacted Aluminum conductor, conductor screen of semi conducting compound, 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.