

20 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	5.5	16	8.2	27
1x70	5.5	16	10	29
1x95	5.5	16	11.2	31
1x120	5.5	16	12.7	32
1x150	5.5	25	14.3	35
1x185	5.5	25	16	36
1x240	5.5	25	18.4	39
1x300	5.5	25	20.5	41
1x400	5.5	35	23.3	44
1x500	5.5	35	26.5	47



Size of Cable	Approx. weight	Min. Bending Radius	Current Rating in Ground		Current Rating in Air	Conductor Resistance	Inductance	Capacitance	PVC Outer Sheath Thickness
			○○○	●●●		DC20°C	●●●		
mm ²	kg/km	mm	A	A	A	Ω/km	mH/km	μF/km	mm
1x50	780	405	195	173	221	0.641	0.46	0.17	1.8
1x70	930	435	238	211	275	0.443	0.43	0.19	1.9
1x95	990	465	282	252	334	0.32	0.41	0.21	1.9
1x120	1056	480	320	286	385	0.253	0.40	0.23	2
1x150	1320	525	353	320	434	0.206	0.38	0.25	2.1
1x185	1550	540	397	361	496	0.164	0.37	0.27	2.1
1x240	1640	585	456	419	584	0.125	0.36	0.3	2.2
1x300	1960	615	510	472	665	0.1	0.35	0.32	2.3
1x400	2340	660	565	537	758	0.0778	0.35	0.36	2.4
1x500	2680	705	635	610	868	0.0605	0.32	0.4	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 outer sheath.

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

20 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	5.5	16	8.2	59
3x70	5.5	16	10	63
3x95	5.5	16	11.2	66
3x120	5.5	16	12.7	69
3x150	5.5	25	14.3	74
3x185	5.5	25	16	78
3x240	5.5	25	18.4	83
3x300	5.5	25	20.5	88
3x400	5.5	35	23.3	95



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	3700	885	164	162	0.641	0.44	0.17	2.9
3x70	4270	945	201	201	0.443	0.41	0.19	3
3x95	4670	990	240	244	0.32	0.39	0.21	3.1
3x120	5030	1035	275	282	0.253	0.38	0.23	3.2
3x150	6110	1110	308	321	0.206	0.36	0.25	3.4
3x185	6870	1170	349	367	0.164	0.35	0.27	3.5
3x240	7690	1245	405	435	0.125	0.34	0.30	3.7
3x300	8940	1320	457	497	0.1	0.33	0.32	3.8
3x400	10370	1425	519	575	0.0778	0.31	0.36	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.

20 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	5.5	16	8.2	0.5	32
1x70	5.5	16	10	0.5	34
1x95	5.5	16	11.2	0.5	35
1x120	5.5	16	12.7	0.5	37
1x150	5.5	25	14.3	0.5	39
1x185	5.5	25	16	0.5	41
1x240	5.5	25	18.4	0.5	44
1x300	5.5	25	20.5	0.5	46
1x400	5.5	35	23.3	0.5	49
1x500	5.5	35	26.5	0.5	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
						DC20°C			
mm ²	kg/km	mm	A	A	A	Ω/km	mH/km	F/km	mm
1x50	1130	480	195	173	221	0.641	0.46	0.17	2
1x70	1260	510	238	211	275	0.443	0.43	0.19	2
1x95	1380	525	282	252	334	0.32	0.41	0.21	2.1
1x120	1520	555	320	286	385	0.253	0.40	0.23	2.1
1x150	1770	585	353	320	434	0.206	0.38	0.25	2.2
1x185	2000	615	397	361	496	0.164	0.37	0.27	2.3
1x240	2190	660	456	419	584	0.125	0.36	0.30	2.4
1x300	2540	690	510	472	665	0.1	0.35	0.32	2.4
1x400	2840	735	565	537	758	0.0778	0.33	0.36	2.5
1x500	3430	795	635	610	868	0.0605	0.32	0.40	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 bedding, Armour of double aluminum tape, PVC outer sheath.

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

20 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	5.5	16	8.2	0.5	61
3x70	5.5	16	10	0.5	65
3x95	5.5	16	11.2	0.5	68
3x120	5.5	16	12.7	0.5	72
3x150	5.5	25	14.3	0.5	76
3x185	5.5	25	16	0.8	82
3x240	5.5	25	18.4	0.8	87
3x300	5.5	25	20.5	0.8	92
3x400	5.5	35	23.3	0.8	99



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	4580	915	164	162	0.641	0.44	0.17	2.9
3x70	5460	975	201	201	0.443	0.41	0.19	3.1
3x95	5690	1020	240	244	0.32	0.39	0.21	3.2
3x120	6100	1080	275	282	0.253	0.38	0.23	3.3
3x150	7260	1140	308	321	0.206	0.36	0.25	3.4
3x185	8770	1236	349	367	0.164	0.35	0.27	3.6
3x240	10090	1300	405	435	0.125	0.34	0.30	3.8
3x300	11110	1380	457	497	0.1	0.33	0.32	3.9
3x400	12750	1480	519	575	0.0778	0.31	0.36	4.2

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,PVC outer sheath.

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

20 kV Power Cable NA2XSRY 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	5.5	16	8.2	2	2.1
1X70	5.5	16	10	2	2.1
1X95	5.5	16	11.2	2	2.2
1X120	5.5	16	12.7	2	2.2
1X150	5.5	25	14.3	2	2.3
1X185	5.5	25	16	2	2.3
1X240	5.5	25	18.4	2.5	2.5
1X300	5.5	25	20.5	2.5	2.5
1X400	5.5	35	23.3	2.5	2.6
1X500	5.5	35	26.5	2.5	2.8



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	A	Ω/km	mH/km	μF/km
1X50	34	1390	510	195	173	221	0.641	0.46	0.17
1X70	36	1530	540	238	211	275	0.443	0.43	0.19
1X95	38	1660	570	282	252	334	0.32	0.41	0.21
1X120	39	1750	585	320	286	385	0.253	0.40	0.23
1X150	41	2080	615	353	320	434	0.206	0.38	0.25
1X185	43	2256	645	397	361	496	0.164	0.37	0.27
1X240	47	2650	705	456	419	584	0.125	0.36	0.30
1X300	49	3060	735	510	472	665	0.1	0.35	0.32
1X400	52	3410	780	565	537	758	0.0778	0.33	0.36
1X500	56	2350	840	635	610	868	0.0605	0.32	0.40

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.

20 kV Power Cable NA2XSEYRY According To IEC 60502

Size of Cable	XLPE Insulation Thickness	Copper Screen	Conductor Diameter	Steel Wire Armor Diameter
mm ²	mm	mm ²	mm	mm
3X50	5.5	16	8.2	2.5
3X70	5.5	16	10	2.5
3X95	5.5	16	11.2	2.5
3X120	5.5	16	12.7	3.15
3X150	5.5	25	14.3	3.15
3X185	5.5	25	16	3.15
3X240	5.5	25	18.4	4
3X300	5.5	25	20.5	4
3X400	5.5	35	23.3	4



Size of Cable	PVC Outer Sheath Thickness	Overall Diameter	Approx. weight	Min. Bending Radius	Current Rating in Ground	Current Rating in Air	Conductor Resistance	Inductance	Capacitance
							DC20°C		
mm ²	mm	mm	kg/km	mm	A	A	Ω/km	mH/km	μF/km
3X50	3	64	6380	960	164	162	0.641	0.44	0.17
3X70	3.2	68	7186	1020	201	201	0.443	0.41	0.19
3X95	3.3	71	7690	1065	240	244	0.32	0.39	0.21
3X120	3.4	76	9040	1140	275	282	0.253	0.38	0.23
3X150	3.6	81	10440	1215	308	321	0.206	0.36	0.25
3X185	3.7	85	11380	1275	349	367	0.164	0.35	0.27
3X240	4	92	13870	1380	405	435	0.125	0.34	0.30
3X300	4.1	97	15520	1455	457	497	0.1	0.33	0.32
3X400	4.3	104	17462	1560	519	575	0.0778	0.31	0.36

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.