

10 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	3.4	16	8.2	23
1x70	3.4	16	10	25
1x95	3.4	16	11.2	26
1x120	3.4	16	12.7	28
1x150	3.4	25	14.3	30
1x185	3.4	25	16	32
1x240	3.4	25	18.4	34
1x300	3.4	25	20.5	37
1x400	3.4	35	23.3	40
1x500	3.4	35	26.5	43



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	625	345	195	171	220	0.641	0.43	0.24	1.8
1x70	760	375	237	209	276	0.443	0.40	0.28	1.8
1x95	830	390	281	249	335	0.32	0.39	0.31	1.8
1x120	950	420	319	283	386	0.253	0.37	0.34	1.8
1x150	1170	450	351	316	435	0.206	0.36	0.37	1.9
1x185	1290	480	394	358	497	0.164	0.35	0.40	2
1x240	1630	510	453	415	586	0.125	0.33	0.45	2.1
1x300	1760	555	506	467	668	0.1	0.32	0.49	2.1
1x400	2080	600	560	531	760	0.0778	0.31	0.55	2.2
1x500	2620	645	627	603	868	0.0605	0.30	0.61	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.

10 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	3.4	16	8.2	49
3x70	3.4	16	10	53
3x95	3.4	16	11.2	56
3x120	3.4	16	12.7	60
3x150	3.4	25	14.3	64
3x185	3.4	25	16	68
3x240	3.4	25	18.4	74
3x300	3.4	25	20.5	79
3x400	3.4	35	23.3	85



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	2455	735	162	160	0.641	0.41	0.24	2.5
3x70	3280	800	199	199	0.443	0.38	0.28	2.7
3x95	3760	840	238	242	0.32	0.37	0.31	2.8
3x120	4600	900	271	280	0.253	0.35	0.34	2.9
3x150	5230	960	304	318	0.206	0.34	0.37	3
3x185	6750	1020	345	365	0.164	0.33	0.40	3.2
3x240	7080	1110	401	431	0.125	0.31	0.45	3.4
3x300	9870	1185	453	492	0.1	0.30	0.49	3.5
3x400	11380	1275	513	574	0.0778	0.29	0.55	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.

10 kV Power Cable NA2XSYBY According To IEC 60502

Size of Cable	XLPE Insulation Thickness	Copper Screen	Conductor Diameter	Aluminium Tape Thickness (Armor)	Overall Diameter	Approx. weight
mm ²	mm	mm ²	mm	mm	mm	kg/km
1x50	3.4	16	8.2	0.5	28	990
1x70	3.4	16	10	0.5	30	1114
1x95	3.4	16	11.2	0.5	31	1260
1x120	3.4	16	12.7	0.5	33	1490
1x150	3.4	25	14.3	0.5	35	1730
1x185	3.4	25	16	0.5	37	1950
1x240	3.4	25	18.4	0.5	39	2060
1x300	3.4	25	20.5	0.5	41	2220
1x400	3.4	35	23.3	0.5	45	2590
1x500	3.4	35	26.5	0.5	48	3210



Size of Cable	Min. Bending Radius	Current Rating in Ground		Current Rating in Air	Conductor Resistance	Inductance	Capacitance	PVC Outer Sheath Thickness
					DC 20°C			
mm ²	mm	A	A	A	Ω/km	mH/km	μF/km	mm
1x50	420	195	171	220	0.641	0.43	0.24	1.8
1x70	450	237	209	276	0.443	0.40	0.28	1.9
1x95	465	281	249	335	0.32	0.39	0.31	1.9
1x120	495	319	283	386	0.253	0.37	0.34	2
1x150	525	351	316	435	0.206	0.36	0.37	2.1
1x185	555	394	358	497	0.164	0.35	0.40	2.1
1x240	585	453	415	586	0.125	0.33	0.45	2.2
1x300	615	506	467	668	0.1	0.32	0.49	2.3
1x400	675	560	531	760	0.0778	0.31	0.55	2.4
1x500	720	627	603	868	0.0605	0.30	0.61	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.

10 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	3.4	16	8.2	0.5	51
3x70	3.4	16	10	0.5	55
3x95	3.4	16	11.2	0.5	58
3x120	3.4	16	12.7	0.5	62
3x150	3.4	25	14.3	0.5	66
3x185	3.4	25	16	0.5	70
3x240	3.4	25	18.4	0.5	76
3x300	3.4	25	20.5	0.8	82
3x400	3.4	35	23.3	0.8	89



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	4205	765	162	160	0.641	0.41	0.24	2.6
3x70	4565	825	199	199	0.443	0.38	0.28	2.7
3x95	5360	870	238	242	0.32	0.37	0.31	2.8
3x120	5950	930	271	280	0.253	0.35	0.34	3
3x150	6100	990	304	318	0.206	0.34	0.37	3.1
3x185	7770	1050	345	365	0.164	0.33	0.40	3.2
3x240	10410	1140	401	431	0.125	0.31	0.45	3.4
3x300	11660	1230	453	492	0.1	0.30	0.49	3.6
3x400	13230	1335	513	574	0.0778	0.29	0.55	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 each resistant & moisture barrier polyester tape, PVC bedding, Armor of double steel tape, PVC outer sheath.

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

10 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	3.4	16	8.2	1.6	1.9
1x70	3.4	16	10	1.6	1.9
1x95	3.4	16	11.2	1.6	2
1x120	3.4	16	12.7	2	2.1
1x150	3.4	25	14.3	2	2.1
1x185	3.4	25	16	2	2.2
1x240	3.4	25	18.4	2	2.3
1x300	3.4	25	20.5	2	2.4
1x400	3.4	35	23.3	2.5	2.5
1x500	3.4	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	29	1080	435	195	171	220	0.641	0.43	0.24
1x70	31	1220	465	237	209	276	0.443	0.40	0.28
1x95	32	1450	480	281	249	335	0.32	0.39	0.31
1x120	35	1690	525	319	283	386	0.253	0.37	0.34
1x150	37	2120	555	351	316	435	0.206	0.36	0.37
1x185	39	2160	585	394	358	497	0.164	0.35	0.40
1x240	41	2540	615	453	415	586	0.125	0.33	0.45
1x300	44	2700	660	506	467	668	0.1	0.32	0.49
1x400	48	3440	720	560	531	760	0.0778	0.31	0.55
1x500	51	4540	765	627	603	868	0.0605	0.30	0.61

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 aluminum wire, PVC outer sheath.

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

10 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	3.4	16	8.2	2.5	2.7
3x70	3.4	16	10	2.5	2.8
3x95	3.4	16	11.2	2.5	2.9
3x120	3.4	16	12.7	2.5	3.1
3x150	3.4	25	14.3	2.5	3.2
3x185	3.4	25	16	3.15	3.4
3x240	3.4	25	18.4	3.15	3.6
3x300	3.4	25	20.5	3.15	3.7
3x400	3.4	35	23.3	4	4



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	55	5080	825	162	160	0.641	0.41	0.24
3x70	58	6690	870	199	199	0.443	0.38	0.28
3x95	62	7390	930	238	242	0.32	0.37	0.31
3x120	65	8150	975	271	280	0.253	0.35	0.34
3x150	70	9090	1050	304	318	0.206	0.34	0.37
3x185	75	9430	1125	345	365	0.164	0.33	0.40
3x240	81	9710	1215	401	431	0.125	0.31	0.45
3x300	86	10910	1290	453	492	0.1	0.30	0.49
3x400	94	12450	1410	513	574	0.0778	0.29	0.55

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.