

20 kV Power Cable N2XSY According To IEC 60502

Size of Cable	XLPE Insulation Thickness	Copper Screen	Conductor Diameter	Overall Diameter	Approx. weight
mm ²	mm	mm ²	mm	mm	kg/km
1x50	5.5	16	8.2	27	1090
1x70	5.5	16	10	29	1370
1x95	5.5	16	11.2	31	1580
1x120	5.5	16	12.7	32	1840
1x150	5.5	25	14.3	35	2260
1x185	5.5	25	16	36	2700
1x240	5.5	25	18.4	39	3140
1x300	5.5	25	20.5	41	3830
1x400	5.5	35	23.3	44	4840
1x500	5.5	35	26.5	47	5800



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	405	250	223	284	0.387	0.46	0.17	1.8
1x70	435	303	272	353	0.268	0.43	0.19	1.9
1x95	465	359	324	428	0.193	0.41	0.21	1.9
1x120	480	405	368	492	0.153	0.40	0.23	2
1x150	525	443	410	552	0.124	0.38	0.25	2.1
1x185	540	494	462	627	0.0991	0.37	0.27	2.1
1x240	585	564	534	734	0.0754	0.36	0.30	2.2
1x300	615	627	600	833	0.0601	0.35	0.32	2.3
1x400	660	677	673	928	0.047	0.33	0.36	2.4
1x500	705	749	755	1047	0.0366	0.32	0.40	2.5

Cable construction: Circular compacted copper 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 N2XSEY 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	4640	885	213	210	0.387	0.44	0.17	2.9
3x70	5580	945	260	261	0.268	0.41	0.19	3
3x95	6450	990	311	316	0.193	0.39	0.21	3.1
3x120	7380	1035	353	364	0.153	0.38	0.23	3.2
3x150	8920	1110	397	416	0.124	0.36	0.25	3.4
3x185	10330	1170	448	474	0.0991	0.35	0.27	3.5
3x240	12180	1245	518	588	0.0754	0.34	0.30	3.7
3x300	14560	1320	584	638	0.0601	0.33	0.32	3.8
3x400	17860	1425	656	730	0.0470	0.33	0.36	4

Cable construction: Circular compacted copper 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 N2XSYBY According To IEC 60502

Size of Cable	XLPE Insulation Thickness	Copper Screen	Conductor Diameter	Aluminum Tape Thickness (Armor)
mm ²	mm	mm ²	mm	mm
1x50	5.5	16	8.2	0.5
1x70	5.5	16	10	0.5
1x95	5.5	16	11.2	0.5
1x120	5.5	16	12.7	0.5
1x150	5.5	25	14.3	0.5
1x185	5.5	25	16	0.5
1x240	5.5	25	18.4	0.5
1x300	5.5	25	20.5	0.5
1x400	5.5	35	23.3	0.5
1x500	5.5	35	26.5	0.5



Size of Cable	Overall Diameter	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	mm	kg/km	mm	A	A	A	Ω/km	mH/km	μF/km	mm
1x50	32	1440	480	250	223	284	0.387	0.46	0.17	2
1x70	34	1700	510	303	272	353	0.268	0.43	0.19	2
1x95	35	1970	525	359	324	428	0.193	0.41	0.21	2.1
1x120	37	2300	555	405	368	492	0.153	0.40	0.23	2.1
1x150	39	2710	585	443	410	552	0.124	0.38	0.25	2.2
1x185	41	3150	615	494	462	627	0.0991	0.37	0.27	2.3
1x240	44	3690	660	564	534	734	0.0745	0.36	0.30	2.4
1x300	46	4410	690	627	600	833	0.0601	0.35	0.32	2.4
1x400	49	5340	735	677	673	928	0.047	0.33	0.36	2.5
1x500	53	6550	795	749	755	1047	0.0366	0.32	0.40	2.7

Cable construction: Circular compacted copper 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 N2XSEYBY 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	5520	915	213	210	0.387	0.44	0.17	2.9
3x70	6770	975	260	261	0.268	0.41	0.19	3.1
3x95	7470	1020	311	316	0.193	0.39	0.21	3.2
3x120	8450	1080	353	364	0.153	0.38	0.23	3.3
3x150	10070	1140	397	416	0.124	0.36	0.25	3.4
3x185	12230	1230	448	474	0.0991	0.35	0.27	3.6
3x240	14580	1300	518	588	0.0754	0.34	0.30	3.8
3x300	16730	1380	584	638	0.0601	0.33	0.32	3.9
3x400	20240	1480	656	730	0.0470	0.33	0.36	4.2

Cable Construction: Circular compacted copper 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 N2XSYRY 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
							DC 20°C		
mm ²	mm	Kg/km	mm	A	A	A	Ω/km	mH/km	μF/km
1X50	34	1700	510	250	223	284	0.387	0.46	0.17
1X70	36	1970	540	303	272	353	0.268	0.43	0.19
1X95	38	2250	570	359	324	428	0.193	0.41	0.21
1X120	39	2530	585	405	368	492	0.153	0.40	0.23
1X150	41	3020	615	443	410	552	0.124	0.38	0.25
1X185	43	3410	645	494	462	627	0.0991	0.37	0.27
1X240	47	4150	705	564	534	734	0.0754	0.36	0.30
1X300	49	4930	735	627	600	833	0.0601	0.35	0.32
1X400	52	5910	780	677	673	924	0.047	0.33	0.36
1X500	56	5470	840	749	755	1047	0.0366	0.32	0.40

Cable Construction: Circular compacted copper 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 N2XSEYRY According To IEC 60502

Size of Cable	XLPE Insulation Thickness	Copper Screen	Copper Diameter	Steel Wire Armor Diameter	PVC Outer Sheath Thickness
mm ²	mm	mm ²	mm	mm	mm
3X50	5.5	16	8.2	2.5	3
3X70	5.5	16	10	2.5	3.2
3X95	5.5	16	11.2	2.5	3.3
3X120	5.5	16	12.7	3.15	3.4
3X150	5.5	25	14.3	3.15	3.6
3X185	5.5	25	16	3.15	3.7
3X240	5.5	25	18.4	4	4
3X300	5.5	25	20.5	4	4.1
3X400	5.5	35	23.3	4	4.3



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	64	7315	960	213	210	0.387	0.44	0.17
3X70	68	8490	1020	260	261	0.268	0.41	0.19
3X95	71	9476	1065	311	316	0.193	0.39	0.21
3X120	76	11393	1140	353	364	0.153	0.38	0.23
3X150	81	13250	1215	397	416	0.124	0.36	0.25
3X185	85	14840	1275	448	474	0.0991	0.35	0.27
3X240	92	18360	1380	518	588	0.0754	0.34	0.30
3X300	97	21140	1455	584	638	0.0601	0.33	0.32
3X400	104	24950	1560	656	730	0.0470	0.33	0.36

Cable construction: Circular compacted copper conductor, conductor screen of semi conducting compound, dry cured cross-linked polyethylene (XLPE) insulation, screen of semi conducting compound plus semi conducting tapescreen 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.