

30 kV Power Cable N2XSY 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	1500	500	251	226	283	0.387	0.49	0.13	2
1x70	1700	520	305	275	352	0.268	0.46	0.15	2.1
1x95	1900	540	362	328	427	0.193	0.44	0.16	2.1
1x120	2200	570	410	372	490	0.153	0.43	0.17	2.2
1x150	2500	600	450	415	550	0.124	0.41	0.19	2.2
1x185	2870	630	503	467	625	0.0991	0.40	0.20	2.3
1x240	3500	660	576	540	732	0.0745	0.38	0.22	2.4
1x300	4000	700	641	607	829	0.0601	0.37	0.24	2.5
1x400	5200	750	698	682	927	0.047	0.35	0.27	2.6
1x500	6300	800	774	767	1047	0.0366	0.34	0.29	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 outer sheath.

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

30 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	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	6700	1070	215	212	0.387	0.47	0.13	3.2
3x70	7500	1120	262	263	0.268	0.44	0.15	3.4
3x95	8800	1170	315	320	0.193	0.42	0.16	3.5
3x120	9900	1215	358	368	0.153	0.41	0.17	3.6
3x150	11400	1290	402	418	0.124	0.39	0.19	3.7
3x185	12900	1350	454	477	0.0991	0.38	0.20	3.9
3x240	15300	1440	525	561	0.0754	0.36	0.22	4.1
3x300	18300	1500	591	640	0.0601	0.35	0.24	4.2
3x400	21500	1605	666	734	0.0470	0.32	0.27	4.4

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.

30 kV Power Cable N2XSYBY 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 DC 20°C	Inductance	Capacitance	PVC Outer Sheath Thickness
mm ²	kg/km	mm	A	A	A	Ω/km	mH/km	μF/km	mm
1x50	1800	570	251	226	283	0.387	0.49	0.13	2.2
1x70	2070	585	305	275	352	0.268	0.46	0.15	2.2
1x95	2290	615	362	328	427	0.193	0.44	0.16	2.3
1x120	2550	645	410	372	490	0.153	0.43	0.17	2.3
1x150	3150	675	450	415	550	0.124	0.41	0.19	2.4
1x185	3550	705	503	467	625	0.0991	0.40	0.20	2.5
1x240	4150	735	576	540	732	0.0745	0.38	0.22	2.5
1x300	4830	780	641	607	829	0.0601	0.37	0.24	2.6
1x400	5840	825	698	682	927	0.047	0.35	0.27	2.7
1x500	7190	870	774	767	1047	0.0366	0.34	0.29	2.8

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.

30 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	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	7400	1100	215	212	0.387	0.47	0.13	3.3
3x70	9000	1150	262	263	0.268	0.44	0.15	3.4
3x95	10300	1210	315	320	0.193	0.42	0.16	3.6
3x120	11500	1270	358	368	0.153	0.41	0.17	3.7
3x150	12300	1330	402	418	0.124	0.39	0.19	3.9
3x185	14400	1440	454	477	0.0991	0.38	0.20	4
3x240	17000	1480	525	561	0.0754	0.36	0.22	4.2
3x300	20300	1560	591	640	0.0601	0.35	0.24	4.3
3x400	24800	1650	666	734	0.0470	0.32	0.27	4.5

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 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.

30 kV Power Cable N2XSYRY According To IEC 60502

Size of Cable	XLPE Insulation Thickness	Copper Screen	Conductor Diameter	Aluminum Wire Armor Diameter
mm ²	mm	mm ²	mm	mm
1X50	8	16	8.2	2
1X70	8	16	10	2
1X95	8	16	11.2	2
1X120	8	16	12.7	2.5
1X150	8	25	14.3	2.5
1X185	8	25	16	2.5
1X240	8	25	18.4	2.5
1X300	8	25	20.5	2.5
1X400	8	35	23.3	2.5
1X500	8	35	26.5	2.5



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
								At 20°C		
mm ²	mm	mm	kg/km	mm	A	A	A	Ω/km	mH/km	μF/km
1X50	2.2	40	2050	600	251	226	283	0.387	0.49	0.13
1X70	2.3	42	2300	630	305	275	352	0.268	0.46	0.15
1X95	2.3	43	2650	645	362	328	427	0.193	0.44	0.16
1X120	2.4	46	2910	690	410	372	490	0.153	0.43	0.17
1X150	2.5	48	3180	720	450	415	550	0.124	0.41	0.19
1X185	2.6	50	3950	750	503	467	625	0.0991	0.40	0.20
1X240	2.7	53	4580	795	576	540	732	0.0754	0.38	0.22
1X300	2.7	55	5150	825	641	607	829	0.0601	0.37	0.24
1X400	2.8	58	6450	870	698	682	927	0.047	0.35	0.27
1X500	2.9	62	7850	930	774	767	1047	0.0366	0.34	0.29

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.

30 kV Power Cable N2XSEYRY 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	8	16	8.2	3.15
3X70	8	16	10	3.15
3X95	8	16	11.2	3.15
3X120	8	16	12.7	3.15
3X150	8	25	14.3	4
3X185	8	25	16	4
3X240	8	25	18.4	4
3X300	8	25	20.5	4
3X400	8	35	23.3	5



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
							DC 20°C		
mm ²	mm	mm	kg/km	mm	A	A	Ω/km	mH/km	μF/km
3X50	3.5	77	9800	1160	215	212	0.387	0.47	0.13
3X70	3.6	81	11300	1220	262	263	0.268	0.44	0.15
3X95	3.7	84	12800	1260	315	320	0.193	0.42	0.16
3X120	3.8	88	14700	1320	358	368	0.153	0.41	0.17
3X150	4	94	16500	1410	402	418	0.124	0.39	0.19
3X185	4.2	99	18500	1490	454	477	0.0991	0.38	0.20
3X240	4.3	104	21100	1560	525	561	0.0754	0.36	0.22
3X300	4.5	109	24000	1640	591	640	0.0601	0.35	0.24
3X400	4.8	118	27800	1770	666	735	0.047	0.32	0.27

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, armor of steel wire, PVC outer sheath.

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