

10 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	3.4	16	8.2	23	910
1x70	3.4	16	10	25	1190
1x95	3.4	16	11.2	26	1380
1x120	3.4	16	12.7	28	1640
1x150	3.4	25	14.3	30	2045
1x185	3.4	25	16	32	2400
1x240	3.4	25	18.4	34	3000
1x300	3.4	25	20.5	37	3570
1x400	3.4	35	23.3	40	4490
1x500	3.4	35	26.5	43	5580



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	345	250	221	284	0.387	0.43	0.24	1.8
1x70	375	303	269	353	0.268	0.40	0.28	1.8
1x95	390	359	321	429	0.193	0.39	0.31	1.8
1x120	420	405	364	493	0.153	0.37	0.34	1.8
1x150	450	443	406	552	0.124	0.36	0.37	1.9
1x185	480	494	457	627	0.0991	0.35	0.40	2
1x240	510	564	528	736	0.0745	0.33	0.45	2.1
1x300	555	627	593	833	0.0601	0.32	0.49	2.1
1x400	600	677	665	926	0.047	0.31	0.55	2.2
1x500	645	749	745	1044	0.0366	0.30	0.61	2.3

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.

10 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	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	3310	735	210	206	0.387	0.41	0.24	2.5
3x70	5072	800	256	257	0.268	0.38	0.28	2.7
3x95	5400	840	307	313	0.193	0.37	0.31	2.8
3x120	6660	900	349	360	0.153	0.35	0.34	2.9
3x150	7850	960	392	410	0.124	0.34	0.37	3
3x185	10076	1020	443	469	0.0991	0.33	0.40	3.2
3x240	11170	1110	513	553	0.0754	0.31	0.45	3.4
3x300	15320	1185	576	631	0.0601	0.30	0.49	3.5
3x400	18605	1275	646	725	0.0470	0.29	0.55	3.7

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 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 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	3.4	16	8.2	0.5	28
1x70	3.4	16	10	0.5	30
1x95	3.4	16	11.2	0.5	31
1x120	3.4	16	12.7	0.5	33
1x150	3.4	25	14.3	0.5	35
1x185	3.4	25	16	0.5	37
1x240	3.4	25	18.4	0.5	39
1x300	3.4	25	20.5	0.5	41
1x400	3.4	35	23.3	0.5	45
1x500	3.4	35	26.5	0.5	48



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	1269	420	250	221	284	0.387	0.43	0.24	1.8
1x70	1545	450	303	269	353	0.268	0.40	0.28	1.9
1x95	1811	465	359	321	429	0.193	0.39	0.31	1.9
1x120	2180	495	405	364	493	0.153	0.37	0.34	2
1x150	2608	520	443	406	552	0.124	0.36	0.37	2.1
1x185	3057	550	494	457	627	0.0991	0.35	0.40	2.1
1x240	3420	585	564	528	736	0.0745	0.33	0.45	2.2
1x300	4035	615	627	593	833	0.0601	0.32	0.49	2.3
1x400	5000	675	677	665	926	0.047	0.31	0.55	2.4
1x500	6170	720	749	745	1044	0.0366	0.30	0.61	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 bedding, Armour of double aluminum tape, PVC outer sheath.

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

10 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	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	5060	765	210	206	0.387	0.41	0.24	2.6
3x70	5858	825	256	257	0.268	0.38	0.28	2.7
3x95	7005	870	307	313	0.193	0.37	0.31	2.8
3x120	8014	930	349	360	0.153	0.35	0.34	3
3x150	8720	990	392	410	0.124	0.34	0.37	3.1
3x185	11095	1050	443	469	0.0991	0.33	0.40	3.2
3x240	14500	1140	513	553	0.0754	0.31	0.45	3.4
3x300	17110	1230	576	631	0.0601	0.30	0.49	3.6
3x400	20450	1335	646	725	0.0470	0.29	0.55	3.8

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 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.

10 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	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	1364	435	250	221	284	0.387	0.43	0.24
1x70	31	1652	465	303	269	353	0.268	0.40	0.28
1x95	32	2000	480	359	321	429	0.193	0.39	0.31
1x120	35	2380	525	405	364	493	0.153	0.37	0.34
1x150	37	2990	555	443	406	552	0.124	0.36	0.37
1x185	39	3271	585	494	457	627	0.0991	0.35	0.40
1x240	41	3900	615	564	528	736	0.0754	0.33	0.45
1x300	44	4520	660	627	593	833	0.0601	0.32	0.49
1x400	48	5850	720	677	665	926	0.047	0.31	0.55
1x500	51	7500	765	749	745	1044	0.0366	0.30	0.61

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.

10 kV Power Cable N2XSEYRY 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	5930	825	210	206	0.387	0.41	0.24
3x70	58	7980	870	256	257	0.268	0.38	0.28
3x95	62	8010	930	307	313	0.193	0.37	0.31
3x120	65	10210	975	349	360	0.153	0.35	0.34
3x150	70	11710	1050	392	410	0.1240	0.34	0.37
3x185	75	12750	1125	443	469	0.0991	0.33	0.40
3x240	81	13800	1215	513	553	0.0754	0.31	0.45
3x300	86	16360	1290	576	631	0.0601	0.30	0.49
3x400	94	19670	1410	646	725	0.0470	0.29	0.55

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 steel wire, PVC outer sheath.

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