

6 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	2.5	16	8.2	21.5	880
1x70	2.5	16	10	23	1100
1x95	2.5	16	11.2	24.5	1330
1x120	2.5	16	12.7	26	1570
1x150	2.5	25	14.3	28	1950
1x185	2.5	25	16	30	2310
1x240	2.6	25	18.4	32.5	2920
1x300	2.8	25	20.5	35.5	3520
1x400	3	35	23.3	39	4680
1x500	3.2	35	26.5	42.5	5760



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	320	248	215	276	0.387	0.40	0.29	1.8
1x70	350	301	264	343	0.268	0.37	0.35	1.8
1x95	370	355	318	416	0.193	0.34	0.36	1.8
1x120	390	400	360	478	0.153	0.33	0.37	1.8
1x150	420	436	402	533	0.124	0.32	0.42	1.9
1x185	450	489	453	609	0.0991	0.31	0.47	1.9
1x240	490	556	526	713	0.0754	0.30	0.52	2
1x300	530	621	589	808	0.0601	0.29	0.57	2.1
1x400	590	666	661	898	0.047	0.28	0.65	2.2
1x500	640	730	735	1002	0.0366	0.26	0.69	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.

6 kV Power Cable N2XSEY 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
3x50	2.5	16	8.2	45	3300
3x70	2.5	16	10	49	4160
3x95	2.5	16	11.2	52	5030
3x120	2.5	16	12.7	55	5950
3x150	2.5	25	14.3	60	7180
3x185	2.5	25	16	64	8530
3x240	2.6	25	18.4	70	10560
3x300	2.8	25	20.5	76	13440
3x400	3	35	23.3	83	16380



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	Ω/km	mH/km	μF/km	mm
3x50	675	205	203	0.387	0.38	0.29	2.4
3x70	735	249	252	0.268	0.35	0.35	2.5
3x95	780	303	310	0.193	0.32	0.36	2.6
3x120	825	346	355	0.153	0.31	0.37	2.7
3x150	900	385	404	0.124	0.30	0.42	2.9
3x185	960	438	463	0.0991	0.29	0.47	3
3x240	1050	510	546	0.0754	0.28	0.52	3.2
3x300	1140	560	581	0.0601	0.27	0.57	3.4
3x400	1245	634	655	0.047	0.26	0.65	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.

6 kV Power Cable N2XS(Y)B(Y)

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	2.5	16	8.2	0.5	26
1x70	2.5	16	10	0.5	27
1x95	2.5	16	11.2	0.5	29
1x120	2.5	16	12.7	0.5	31
1x150	2.5	25	14.3	0.5	33
1x185	2.5	25	16	0.5	35
1x240	2.6	25	18.4	0.5	37
1x300	2.8	25	20.5	0.5	40
1x400	3	35	23.3	0.5	44
1x500	3.2	35	26.5	0.5	48



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	1110	390	248	215	276	0.387	0.40	0.29	1.8
1x70	1330	400	301	264	343	0.268	0.37	0.35	1.8
1x95	1620	430	355	318	416	0.193	0.34	0.36	1.9
1x120	1900	460	400	360	478	0.153	0.33	0.37	1.9
1x150	2280	490	436	402	533	0.124	0.32	0.42	2
1x185	2680	520	489	453	609	0.0991	0.31	0.47	2.1
1x240	3310	550	556	526	713	0.0754	0.30	0.52	2.2
1x300	3950	600	621	589	808	0.0601	0.29	0.57	2.2
1x400	4800	660	666	661	898	0.047	0.28	0.65	2.4
1x500	5800	720	730	735	1002	0.0366	0.26	0.69	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.

6 kV Power Cable N2XSEYBY According To IEC 60502

Size of Cable	XLPE Insulation Thickness	Copper Screen	Conductor Diameter	steel Tape Armor Diameter	PVC Outer Sheath Thickness
mm ²	mm	mm ²	mm	mm	mm
3x50	2.5	16	8.2	0.5	2.5
3x70	2.5	16	10	0.5	2.6
3x95	2.5	16	11.2	0.5	2.7
3x120	2.5	16	12.7	0.5	2.8
3x150	2.5	25	14.3	0.5	3
3x185	2.5	25	16	0.5	3.1
3x240	2.6	25	18.4	0.5	3.3
3x300	2.8	25	20.5	0.5	3.5
3x400	3	35	23.3	0.5	3.8



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	Ω/km	mH/km	μF/km
3x50	47	4080	705	205	203	0.387	0.38	0.29
3x70	51	5000	765	249	252	0.268	0.35	0.35
3x95	54	5985	810	303	310	0.193	0.32	0.36
3x120	58	6890	870	346	355	0.153	0.31	0.37
3x150	62	8150	930	385	404	0.124	0.30	0.42
3x185	66	9620	990	438	463	0.0991	0.29	0.47
3x240	72	11960	1080	510	546	0.0754	0.28	0.52
3x300	78	15800	1170	560	581	0.0601	0.27	0.57
3x400	87	19200	1305	634	655	0.047	0.26	0.65

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 condcting 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 tape , PVC outer sheath.

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

6 kV Power Cable N2XSRY 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	2.5	16	8.2	1.6	1.8
1x70	2.5	16	10	1.6	1.9
1x95	2.5	16	11.2	1.6	1.9
1x120	2.5	16	12.7	1.6	2
1x150	2.5	25	14.3	2	2.1
1x185	2.5	25	16	2	2.1
1x240	2.6	25	18.4	2	2.2
1x300	2.8	25	20.5	2	2.3
1x400	3	35	23.3	2.5	2.5
1x500	3.2	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	27	1250	405	248	215	276	0.387	0.40	0.29
1x70	29	1520	435	301	264	343	0.268	0.37	0.35
1x95	30	1770	450	355	318	416	0.193	0.34	0.36
1x120	32	2060	480	400	360	478	0.153	0.33	0.37
1x150	35	2570	525	436	402	533	0.124	0.32	0.42
1x185	37	2950	555	489	453	609	0.0991	0.31	0.47
1x240	39	3612	585	556	526	713	0.0754	0.30	0.52
1x300	42	4640	630	621	589	808	0.0601	0.29	0.57
1x400	47	5680	705	666	661	898	0.047	0.28	0.65
1x500	51	6880	765	730	735	1002	0.0366	0.26	0.69

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 aluminum wire, PVC outer sheath.

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

6 kV Power Cable N2XSEYRY According To IEC 60502

Size of Cable	XLPE Insulation Thickness	Copper Screen	Conductor Diameter	steel Tape Armor Diameter	PVC Outer Sheath Thickness
mm ²	mm	mm ²	mm	mm	mm
3x50	2.5	16	8.2	2.5	2.6
3x70	2.5	16	10	2.5	2.7
3x95	2.5	16	11.2	2.5	2.8
3x120	2.5	16	12.7	2.5	2.9
3x150	2.5	25	14.3	2.5	3.1
3x185	2.5	25	16	2.5	3.2
3x240	2.6	25	18.4	3.15	3.4
3x300	2.8	25	20.5	3.15	3.6
3x400	3	35	23.3	4	3.7



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	50	5360	756	205	203	0.387	0.38	0.29
3x70	54	6420	816	249	252	0.268	0.35	0.35
3x95	57	7412	855	303	310	0.193	0.32	0.36
3x120	61	8610	915	346	355	0.153	0.31	0.37
3x150	66	10000	990	385	404	0.124	0.30	0.42
3x185	70	11470	1050	438	463	0.0991	0.29	0.47
3x240	75	14680	1125	510	546	0.0754	0.28	0.52
3x300	81	17830	1225	560	581	0.0601	0.27	0.57
3x400	86	18120	1290	634	655	0.047	0.26	0.65

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.