



SUPREME CABLE

SUPREME CABLE

Building Wire catalogue



NYA - 450/750 VOLT

SPLN 42-1 / IEC 60227-3

SINGLE CORE, COPPER CONDUCTOR AND PVC INSULATED CABLE

DIMENSIONAL & MECHANICAL DATA

Nominal cross-sectional area mm ²	No of wire and conductor shape		Nominal insulation thickness mm	Approximately		Bending Diameter, min mm	Standard delivery length m
	pcs	-		Overall diameter mm	Net Weight Kg/Km		
1.5	1	re	0.7	2.9	20	80	100/Coil
1.5	7	rm	0.7	3.0	21	90	100/Coil
2.5	1	re	0.8	3.5	32	100	100/Coil
2.5	7	rm	0.8	3.7	34	110	100/Coil
4	1	re	0.8	3.9	47	120	100/Coil
4	7	rm	0.8	4.3	51	140	100/Coil
6	1	re	0.8	4.4	67	140	100/Coil
6	7	rm	0.8	4.8	71	160	100/Coil
10	1	re	1.0	5.7	111	180	100/Coil
10	7	rm	1.0	6.2	119	210	100/Coil
16	7	rm	1.0	7.3	179	250	100/Coil
25	7	rm	1.2	9.0	281	310	1,000/drum
35	7	rm	1.2	10.2	379	360	1,000/drum
50	19	rm	1.4	11.9	507	420	1,000/drum
70	19	rm	1.4	13.8	713	490	1,000/drum
95	19	rm	1.6	16.1	985	580	1,000/drum
120	37	rm	1.6	17.7	1,222	640	1,000/drum
150	37	rm	1.8	19.7	1,544	710	1,000/drum
185	37	rm	2.0	22.0	1,885	800	1,000/drum
240	61	rm	2.2	25.3	2,465	920	1,000/drum
300	61	rm	2.4	28.2	3,083	1,030	1,000/drum
400	61	rm	2.6	31.6	3,926	1,160	1,000/drum

ELECTRICAL DATA

Nominal cross-sectional area mm ²	Resistance at 20°C		Current Carrying Capacity at 30°C		Short circuit current of conductor at 1.0 sec kA
	DC conductor max Ω/Km	Insulation min MΩ.Km	A		
			In Pipe	In Air	
1.5	12.1	11	15	24	0.19
2.5	7.41	10	20	32	0.32
4	4.61	8	25	43	0.50
6	3.08	7	33	54	0.73
10	1.83	7	45	74	1.20
16	1.15	5	61	98	1.91
25	0.727	5	83	140	2.96
35	0.524	5	104	159	4.13
50	0.387	5	132	197	5.87
70	0.268	4	166	247	8.19
95	0.193	4	198	293	11.09
120	0.153	3	236	345	13.98
150	0.124	3	-	391	17.46
185	0.0991	3	-	449	21.50
240	0.0754	3	-	529	27.86
300	0.0601	3	-	609	34.79
400	0.0470	3	-	724	46.34

NYMHY 300/500 VOLT

SPLN 42-6-2/IEC 60227-5

FLEXIBLE COPPER CONDUCTOR, PVC INSULATED AND PVC SHEATHED CABLE

DIMENSIONAL & MECHANICAL DATA

No of cores	Nominal cross-sectional area mm ²	No / Dia of wire pcs/mm	Nominal Thickness mm		Cable dimension mm		Approx. net weight mm	Bending Diameter, min	Standard delivery length m
			Insulation	Outer Sheath	Min	Max			
2	0.75	24/0.20	0.6	0.8	6.0	7.6	62	120	100/Coil
2	1.0	32/0.20	0.6	0.8	6.4	8.0	70	120	100/Coil
2	1.5	30/0.25	0.7	0.8	7.4	9.0	93	140	100/Coil
2	2.5	50/0.25	0.8	1.0	8.9	11.0	144	180	100/Coil
3	0.75	24/0.20	0.6	0.8	6.4	8.0	73	120	100/Coil
3	1.0	32/0.20	0.6	0.8	6.8	8.4	83	130	100/Coil
3	1.5	30/0.25	0.7	0.9	8.0	9.8	117	150	1000/Coil
3	2.5	50/0.25	0.8	1.1	9.6	12.0	180	190	1000/Coil
4	0.75	24/0.20	0.6	0.8	6.8	8.6	87	130	1000/Coil
4	1.0	32/0.20	0.6	0.9	7.6	9.4	105	140	1000/Coil
4	1.5	30/0.25	0.7	1.0	9.0	11.0	146	170	1000/Coil
4	2.5	50/0.25	0.8	1.1	10.5	13.0	218	200	1000/Coil
5	0.75	24/0.20	0.6	0.9	7.4	9.5	111	150	1000/Coil
5	1.0	32/0.20	0.6	0.9	8.3	10.0	127	150	1000/Coil
5	1.5	30/0.25	0.7	1.1	10.0	12.0	183	180	1000/Coil
5	2.5	50/0.25	0.8	1.2	11.5	14.0	272	220	500/drum

ELECTRICAL DATA

Nominal cross-sectional area mm ²	Resistance at 20 °C		Current Carrying Capacity in air at 30 °C		Short circuit current of conductor at 1.0 sec kA
	DC conductor max	Insulation min	2 cores	3 , 4 , 5 cores	
0.75	24.5	11	9	4	0.10
1.0	18.1	11	12	10	0.13
1.5	12.1	11	19	17	0.19
2.5	7.41	9	25	22	0.32



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NYAF - 450/750 VOLT

SPLN 42-3 / IEC 60227-3

SINGLE CORE, FLEXIBLE COPPER CONDUCTOR AND PVC INSULATED CABLE

DIMENSIONAL & MECHANICAL DATA

Nominal cross-sectional area mm ²	CONDUCTOR		Nominal Thickness Insulation mm	Approximately		Bending Diameter, min mm	Standard delivery length m
	No of wire pcs	Maximum dia of wire mm		Overall diameter mm	Net Weight Kg/Km		
1.5	30	0.25	0.7	3.1	81	70	100/Coil
2.5	50	0.25	0.8	3.8	33	90	100/Coil
4	56	0.30	0.8	4.3	49	100	100/Coil
6	84	0.30	0.8	4.6	68	110	100/Coil
10	80	0.40	1.0	6.0	114	150	100/Coil
16	126	0.40	1.0	8.1	176	210	100/Coil
25	196	0.40	1.2	10.2	273	270	1,000/drum
35	276	0.40	1.2	11.3	374	300	1,000/drum
50	396	0.40	1.4	13.6	531	360	1,000/drum
70	360	0.50	1.4	15.4	730	420	1,000/drum
95	475	0.50	1.6	18.4	965	500	1,000/drum
120	608	0.50	1.6	19.8	1,182	540	1,000/drum
150	756	0.50	1.8	22.4	1,481	610	1,000/drum
185	925	0.50	2.0	25.2	1,787	690	1,000/drum
240	1,221	0.50	2.2	27.1	2,304	740	1,000/drum
300	1,525	0.50	2.4	32.0	2,920	890	1,000/drum
400	2,013	0.50	2.6	35.6	3,850	990	500/drum

ELECTRICAL DATA

Nominal cross-sectional area mm ²	Resistance at 20°C		Current Carrying Capacity at 30°C		Short circuit current of conductor at 1.0 sec kA
	DC conductor ax	Insulation min	A		
			In Pipe	In Air	
1.5	13.3	10	15	24	0.19
2.5	7.98	9	20	32	0.32
4	4.95	8	25	42	0.50
6	3.30	7	33	54	0.73
10	1.91	7	45	73	1.20
16	1.21	5	61	98	1.91
25	0.780	5	83	128	2.96
35	0.554	4	103	158	4.13
50	0.386	4	132	197	5.87
70	0.272	3	165	245	8.19
95	0.206	3	197	290	11.09
120	0.161	3	235	345	13.98
150	0.129	3	-	390	17.46
185	0.106	3	-	445	21.50
240	0.0861	3	-	525	27.86
300	0.0641	3	-	605	34.79
400	0.486	3	-	725	46.34

NYM - 300/500 VOLT

SPLN 42-2 / IEC 60227-4

COPPER CONDUCTOR, PVC INSULATED AND PVC SHEATHED CABLE

DIMENSIONAL & MECHANICAL DATA

No of cores	Nominal cross-sectional area mm ²	No of wire and conductor shape		Nominal Thickness		Overfall diameter		Approximately net weight Kg/Km	Bending Diameter, min	Standard delivery length m
		pcs	re	Insulation mm	Outer sheath mm	Min mm	Max mm			
2	1.5	1	re	0.7	1.2	8.4	10.0	121	160	100/Coil
2	2.5	7	rm	0.7	1.2	8.4	10.5	125	160	100/Coil
2	2.5	1	re	0.8	1.2	9.6	11.5	163	180	100/Coil
2	2.5	7	rm	0.8	1.2	9.6	12.0	176	190	100/Coil
2	4	1	re	0.8	1.2	10.5	12.5	210	220	1,000/drum
2	4	7	rm	0.8	1.2	10.5	13.0	229	250	1,000/drum
2	6	1	re	0.8	1.2	11.5	13.5	269	220	1,000/drum
2	6	7	rm	0.8	1.2	11.5	14.0	293	240	1,000/drum
2	10	1	re	1.0	1.4	14.5	16.5	441	290	1,000/drum
2	10	7	rm	1.0	1.4	15.0	17.5	483	310	1,000/drum
2	16	7	rm	1.0	1.4	16.5	20.0	662	360	1,000/drum
2	25	7	rm	1.2	1.4	20.5	24.0	1,002	430	1,000/drum
2	35	7	rm	1.2	1.6	23.0	27.5	1,337	500	1,000/drum
3	1.5	1	re	0.7	1.2	8.8	10.5	141	170	100/Coil
3	1.5	7	rm	0.7	1.2	8.8	11.0	146	160	100/Coil
3	2.5	1	re	0.8	1.2	10.0	12.0	194	190	100/Coil
3	2.5	7	rm	0.8	1.2	10.0	12.5	209	200	100/Coil
3	4	1	re	0.8	1.2	11.0	13.0	255	210	1,000/drum
3	4	7	rm	0.8	1.2	11.0	13.5	277	230	1,000/drum
3	6	1	re	0.8	1.4	12.5	14.5	345	240	1,000/drum
3	6	7	rm	0.8	1.4	12.5	15.5	373	260	1,000/drum
3	10	1	re	1.0	1.4	15.5	17.5	547	300	1,000/drum
3	10	7	rm	1.0	1.4	15.5	19.0	595	320	1,000/drum
3	16	7	rm	1.0	1.4	18.0	21.5	854	380	1,000/drum
3	25	7	rm	1.2	1.6	22.0	26.0	1,288	460	1,000/drum
3	35	7	rm	1.2	1.6	24.5	29.0	1,694	520	1,000/drum
4	1.5	1	re	0.7	1.2	9.6	4.5	167	170	100/Coil
4	1.5	7	rm	0.7	1.2	9.6	12.0	172	180	100/Coil
4	2.5	1	re	0.8	1.2	11.0	13.0	233	200	100/Coil
4	2.5	7	rm	0.8	1.2	11.0	13.5	251	210	100/Coil
4	4	1	re	0.8	1.2	12.0	14.5	322	230	1,000/drum
4	4	7	rm	0.8	1.2	12.5	15.0	349	250	1,000/drum
4	6	1	re	0.8	1.4	14.0	16.0	439	260	1,000/drum
4	6	7	rm	0.8	1.4	14.0	17.0	473	280	1,000/drum
4	10	1	re	1.0	1.4	16.5	19.0	673	320	1,000/drum
4	10	7	rm	1.0	1.4	17.0	20.5	730	350	1,000/drum
4	16	7	rm	1.0	1.4	20.0	23.5	1,053	410	1,000/drum
4	25	7	rm	1.2	1.4	24.5	28.5	1,629	500	1,000/drum
4	35	7	rm	1.2	1.6	27.0	32.0	2,108	560	1,000/drum
5	1.5	1	re	0.7	1.2	10.0	12.0	198	190	100/Coil
5	1.5	7	rm	0.7	1.2	10.0	12.5	206	190	100/Coil
5	2.5	1	re	0.8	1.2	11.5	14.0	280	220	1,000/drum
5	2.5	7	rm	0.8	1.2	12.0	14.5	303	230	1,000/drum
5	4	1	re	0.8	1.4	13.5	16.0	406	250	1,000/drum
5	4	7	rm	0.8	1.4	14.0	17.0	437	270	1,000/drum
5	6	1	re	0.8	1.4	15.0	17.5	531	280	1,000/drum
5	6	7	rm	0.8	1.4	15.5	18.5	571	300	1,000/drum
5	10	1	re	1.0	1.4	18.0	21.0	817	340	1,000/drum
5	10	7	rm	1.0	1.4	18.5	22.0	887	370	1,000/drum
5	16	7	rm	1.0	1.6	22.0	26.0	1,311	440	1,000/drum
5	25	7	rm	1.2	1.6	27.0	31.5	1,988	540	1,000/drum
5	35	7	rm	1.2	1.6	30.0	35.0	2,623	610	1,000/drum

ELECTRICAL DATA

Nominal cross-sectional area mm ²	Resistance at 20°C		Current Carrying Capacity in AIR at 30°C		Short circuit current of conductor at 1.0 sec kA
	DC conductor max Ω/Km	Insulation min MΩ.Km	A		
			2 cores	3,4,5 cores	
1.5	12.1	11	19	17	0.19
2.5	7.41	9	25	22	0.32
4	4.61	8	34	30	0.50
6	3.08	7	44	39	0.73
10	1.83	6	61	54	1.20
16	1.15	5	82	73	1.91
25	0.727	5	108	96	2.96
35	0.524	4	134	119	4.13



SUPREME CABLE

SUPREME CABLE

Low Voltage PVC Insulated Cables

catalogue



NYY 0.6/1(1.2) kV
SPLN 43-1/IEC 60502-1

Copper conductor, PVC insulated and PVC sheathed cable

DIMENSIONAL & MECHANICAL DATA

Nominal cross-sectional area mm ²	No of wire and conductor dia	Nominal Thickness		Approximately Net weight kg/100m	Bending radius (standard delivery length)	1 Core
		Insulation	Outer sheath			
1.5	1	0.8	1.4	6	80	1,000
2.5	2	0.8	1.4	7	90	1,000
4	3	0.8	1.4	7	90	1,000
6	4	0.8	1.4	7	90	1,000
10	7	1.0	1.4	8	100	1,000
16	11	1.0	1.4	8	100	1,000
25	17	1.0	1.4	9	110	1,000
35	23	1.0	1.4	9	110	1,000
50	31	1.2	1.4	11	140	1,000
70	41	1.2	1.4	12	150	1,000
95	51	1.4	1.4	13	160	1,000
120	61	1.4	1.4	15	180	1,000
150	71	1.6	1.5	17	210	1,000
185	81	1.6	1.5	19	230	1,000
240	101	1.8	1.5	21	260	1,000
300	121	2.0	1.7	23	300	1,000
400	161	2.2	1.8	25	350	1,000
500	201	2.4	1.9	32	390	1,000
		2.6	2.0	35	400	1,000
		2.8	2.1	38	470	500

ELECTRICAL DATA

Nominal cross-sectional area	Resistance at 30 °C		Current Carrying Capacity at 30 °C		Short circuit current of conductor at 1.0 sec
	DC conductor max	Insulation min	In AIR	In GROUND	
mm ²	Ω/Km	Ω/0.5m	A	A	KA
1.5	12.1	50	26	31	0.19
2.5	7.41	46	35	45	0.32
4	4.61	50	46	58	0.50
6	3.08	50	58	74	0.71
10	1.81	50	80	98	1.20
16	1.15	40	100	107	1.91
25	0.727	40	135	138	2.96
35	0.524	40	170	165	4.13
50	0.387	30	205	196	5.07
70	0.268	30	260	260	8.19
95	0.193	30	320	289	11.09
120	0.133	30	375	309	13.98
150	0.114	20	430	374	17.68
185	0.0981	20	490	418	21.50
240	0.0754	20	590	481	27.66
300	0.0601	20	680	552	34.79
400	0.0470	20	875	632	47.50
500	0.0366	20	960	730	57.84





NYY 0.6/1(1.2) kV

SPLN 43-1/IEC 60502-1

Copper conductor, PVC insulated and PVC sheathed cable

DIMENSIONAL & MECHANICAL DATA

Nominal cross-sectional area	Nominal cross-sectional area	No. of wires and conductor shape	Nominal Thickness		Approximability		Bending radius min	Standard arbitrary length
			Insulation	Outer sheath	Overall diameter	Net weight		
mm ²	mm ²	pcs	mm	mm	mm	kg/10m	mm	m
1.5	10	1	0.8	1.8	12	205	150	1,000
2.5	16	7	0.8	1.8	13	213	160	1,000
2.5	16	1	0.8	1.8	13	243	160	1,000
2.5	7	7	0.8	1.8	14	259	170	1,000
4	1	1	1.0	1.8	15	324	180	1,000
4	7	7	1.0	1.8	16	351	190	1,000
6	1	1	1.0	1.8	16	390	200	1,000
6	7	7	1.0	1.8	17	422	210	1,000
10	1	1	1.0	1.8	18	514	220	1,000
10	7	7	1.0	1.8	18	557	230	1,000
16	7	7	1.0	1.8	21	744	260	1,000
25	7	7	1.2	1.8	24	1,066	290	1,000
35	7	7	1.2	1.8	26	1,342	320	1,000
50	16	16	1.4	1.8	30	1,735	360	1,000
70	19	19	1.4	1.9	33	2,331	400	1,000
95	19	19	1.6	2.0	39	3,159	470	1,000
110	37	37	1.6	2.1	43	3,629	510	1,000
150	37	37	1.8	2.2	46	4,607	560	500
185	37	37	2.0	2.4	51	5,803	620	500
240	61	61	2.2	2.6	58	7,682	700	500
300	61	61	2.4	2.7	64	9,273	750	500

2 Core

ELECTRICAL DATA

Nominal cross-sectional area	Resistance at 20 °C		Capacitance Carrying Capacity at 30 °C		Short circuit current of conductor at 1 s sec
	DC conductor area		in MB		
	Ohm	μS/km	A	In packages	
mm ²	Ohm	μS/km	In MB	In packages	A
1.5	12.1	50	21	27	0.19
2.5	7.41	50	25	16	0.31
4	4.61	50	31	42	0.59
6	3.08	50	42	39	0.73
10	1.83	50	68	78	1.20
16	1.15	40	90	102	1.91
25	0.727	40	120	134	2.96
35	0.524	40	150	160	4.13
50	0.387	30	180	187	5.87
70	0.288	30	230	230	8.19
95	0.193	30	275	280	11.09
120	0.153	30	300	320	13.98
150	0.124	30	375	335	17.48
185	0.0991	30	450	409	21.50
240	0.0754	30	510	472	27.88
300	0.0601	20	590	545	34.79





NYV 0.6/1(1.2) kV SPLN 43-1/IEC 60502-1

Copper conductor, PVC insulated and PVC sheathed cable

DIMENSIONAL & MECHANICAL

Nominal cross-sectional area mm ²	No. of wire and conductor strips		Nominal thickness		Approximate		Bending radius min	Standard delivery length m
	pcs	-	Insulation	Outer sheath	Overall diameter	max height		
1.5	1	re	0.8	1.0	13	229	160	1,000
1.5	7	rm	0.8	1.8	13	237	160	1,000
2.5	1	re	0.6	1.8	14	276	170	1,000
2.5	7	rm	0.6	1.8	14	295	170	1,000
4	1	re	1.0	1.8	16	377	200	1,000
4	7	rm	1.0	1.8	16	406	200	1,000
6	1	re	1.0	1.8	17	459	210	1,000
6	7	rm	1.0	1.8	17	495	210	1,000
10	1	re	1.0	1.8	28	620	220	1,000
10	7	rm	1.0	1.8	28	669	220	1,000
16	7	rm	1.0	1.8	22	912	270	1,000
25	7	rm	1.2	1.8	25	1,325	360	1,000
35	7	rm	1.2	1.8	28	1,688	340	1,000
35	19	sm	1.2	1.8	26	1,411	360	1,000
50	19	sm	1.4	1.8	28	1,879	340	1,000
70	19	sm	1.4	2.0	31	2,527	380	1,000
95	19	sm	1.6	2.1	36	3,424	440	1,000
120	37	sm	1.6	2.2	36	4,155	460	1,000
150	37	sm	1.8	2.3	43	5,119	520	500
185	37	sm	2.0	2.5	47	6,314	570	500
240	37	sm	2.2	2.7	53	8,224	640	500
300	37	sm	2.4	3.1	59	10,304	710	350

3 Cores

ELECTRICAL DATA

Nominal cross-sectional area	Resistance at 20 °C		Current Carrying Capacity at 30 °C		Short circuit current of conductor at 1.0 sec
	DC conductor max	Insulation min	In AIR	In GROUND	
mm ²	Cable	ACB/min	A	A	KA
1.5	12.1	50	18	24	0.19
2.5	7.41	50	25	32	0.32
4	4.61	50	34	41	0.50
6	3.08	30	44	52	0.73
10	1.83	50	60	69	1.20
16	1.15	40	80	89	1.91
25	0.727	40	105	136	2.96
35	0.524	40	130	160	4.13
50	0.387	30	160	165	5.87
70	0.286	30	200	205	8.19
95	0.193	30	245	245	11.09
120	0.133	30	285	285	13.99
150	0.124	20	325	315	17.46
185	0.0991	20	370	355	21.50
240	0.0754	20	435	415	27.86
300	0.0601	20	500	465	34.79





NYN 0.6/1(1.2) kV

SPLN 43-1/IEC 60502-1

Copper conductor, PVC insulated and PVC sheathed cable

DIMENSIONAL & MECHANICAL DATA

Nominal cross-sectional area	No. of wire and conductor shape		Nominal Thickness		Approximately		Stranding radius mm	Standard delivery length
	mm ²	pcs	Insulation	Over sheath	Overall diameter	Net Weight		
1.5	1	7c	0.8	1.8	14	262	170	1,000
1.5	7	7m	0.8	1.8	14	272	170	1,000
2.5	1	7c	0.8	1.8	15	320	180	1,000
2.5	7	7m	0.8	1.8	15	343	180	1,000
4	1	7c	1.0	1.8	17	443	210	1,000
4	7	7m	1.0	1.8	18	477	220	1,000
6	1	7c	1.0	1.8	18	546	220	1,000
6	7	7m	1.0	1.8	18	589	230	1,000
10	1	7c	1.0	1.8	20	749	240	1,000
10	7	7m	1.0	1.8	21	807	260	1,000
16	7	7m	1.0	1.8	24	1,113	290	1,000
25	7	7m	1.2	1.8	26	1,610	340	1,000
35	7	7m	1.2	1.8	30	2,092	360	1,000
50	19	3m	1.2	1.8	28	1,859	340	1,000
50	19	3m	1.4	1.9	32	3,491	380	1,000
70	19	3m	1.4	2.1	36	3,381	440	1,000
95	19	3m	1.6	2.2	40	4,534	480	500
120	37	3m	1.6	2.3	44	5,986	530	500
150	37	3m	1.8	2.5	49	6,877	540	500
185	37	3m	2.0	2.7	53	8,462	640	500
240	37	3m	2.2	2.9	60	10,999	720	300
300	37	3m	2.4	3.1	66	13,616	800	300

4 Cores

ELECTRICAL DATA

Nominal cross-sectional area	Resistance at 20 °C		Current Carrying Capacity at 30 °C		Short circuit current of conductor at 1.0 sec
	DC conductor (mm ²)	Insulation (mm)	in AWG	in (dft/cm)	
1.5	12.1	50	18	74	0.19
2.5	7.41	50	21	32	0.37
4	4.61	50	34	41	0.50
6	3.08	50	44	52	0.71
10	1.81	50	60	69	1.20
16	1.15	45	80	89	1.91
25	0.727	40	105	116	2.96
35	0.524	40	130	138	4.33
50	0.387	30	160	165	5.67
70	0.268	30	200	205	8.19
95	0.191	30	240	245	11.09
120	0.153	30	285	285	13.98
150	0.124	20	325	315	17.46
185	0.0991	20	380	350	21.90
240	0.0754	20	435	415	27.84
300	0.0601	20	500	465	34.79





NYN 0.6/1(1.2) kV

SPLN 43-1/IEC 60502-1

Copper conductor, PVC insulated and PVC sheathed cable

DIMENSIONAL & MECHANICA

5 Cores

Nominal cross-sectional area	No. of wires and conductor shape	Nominal Thickness		Approximatively		Bending radius min	Standard delivery length
		Insulation	Outer sheath	Overall diameter	Net weight		
mm ²	pcs	mm	mm	mm	kg/km	mm	m
1.5	1	0.8	1.8	15	106	180	1,000
1.5	7	0.8	1.8	15	317	190	1,000
2.5	1	0.8	1.8	16	175	200	1,000
2.5	7	0.8	1.8	16	401	200	1,000
4	1	1.0	1.8	18	529	220	1,000
4	7	1.0	1.8	19	565	230	1,000
6	1	1.0	1.8	19	832	270	1,000
6	7	1.0	1.8	20	701	260	1,000
10	1	1.0	1.8	21	893	260	1,000
10	7	1.0	1.8	23	974	280	1,000
16	7	1.0	1.8	26	1,343	320	1,000
25	7	1.2	1.8	30	1,992	360	1,000
35	7	1.3	1.9	33	2,569	400	1,000
50	19	1.4	2.0	39	3,431	470	500

ELECTRICAL DATA

Nominal cross-sectional area	Resistance at 20 °C		Current Carrying Capacity at 30 °C		Short circuit current of conductor at 1.0 sec
	Insulation min		in GROUND		
	DC conductor size	AC kVn	in AIR	in GROUND	
mm ²	DC kVn	AC kVn	A	A	kA
1.5	12.1	50	18	24	0.19
2.5	7.41	50	25	32	0.32
4	4.61	50	34	41	0.50
6	3.08	50	44	52	0.73
10	1.83	50	60	69	1.20
16	1.15	40	80	89	1.91
25	0.727	40	105	116	2.96
35	0.514	40	130	138	4.13
50	0.387	30	160	165	5.37





NY 0.6/1(1.2) kV

SPLN 43-1/IEC 60502-1

Copper conductor, PVC insulated and PVC sheathed cable

DIMENSIONAL & MECHANICAL DATA

No of cores	No of wires and conductor gauge		Nominal Thickness		Approximately		Bending radius min	Standard delivery length
	pcs	mm	Insulation	Outer sheath	Overall diameter	Net Weight		
7	1	10	0.8	1.8	16	37	300	500
7	7	10	0.8	1.8	16	348	200	500
8	1	16	0.8	1.8	17	372	210	500
8	7	10	0.8	1.8	17	385	210	500
10	1	16	0.8	1.8	19	448	230	500
10	7	10	0.8	1.8	19	463	230	500
12	1	16	0.8	1.8	19	499	230	500
12	7	10	0.8	1.8	20	516	240	500
14	1	16	0.8	1.8	20	554	240	500
14	7	10	0.8	1.8	21	573	260	500
16	1	16	0.8	1.8	21	621	260	500
16	7	10	0.8	1.8	22	642	270	500
19	1	16	0.8	1.8	22	690	270	500
19	7	10	0.8	1.8	23	714	270	500
21	1	16	0.8	1.8	23	747	280	500
21	7	10	0.8	1.8	23	773	280	500
24	1	16	0.8	1.8	25	845	300	500
24	7	10	0.8	1.8	26	874	300	500
30	1	16	0.8	1.8	26	984	320	500
30	7	10	0.8	1.8	27	1,029	330	500
40	1	16	0.8	1.8	29	1,251	350	500
40	7	10	0.8	1.8	30	1,296	360	500
52	1	16	0.8	1.9	33	1,619	400	500
52	7	10	0.8	1.9	34	1,674	410	500
61	1	16	0.8	2.0	36	1,854	420	500
61	7	10	0.8	2.0	36	1,918	440	500

Control cable 1.5 mm²

ELECTRICAL DATA

No of cores	Resistance at 20 °C		Current Carrying Capacity at 30 °C		Short circuit current of conductor at 1.0 sec
	DC conductor max	Insulation min.	In AIR	In GROUND	
pcs	D/mm	40 Km	A		Ma
7	12,1	50	10	14	0.19
8	12,1	50	10	14	0.19
10	12,1	50	9	12	0.19
12	12,1	50	9	12	0.19
14	12,1	50	8	10	0.19
16	12,1	50	8	10	0.19
19	12,1	50	7	9	0.19
21	12,1	50	7	9	0.19
24	12,1	50	6	8	0.19
30	12,1	50	6	8	0.19
40	12,1	50	5	7	0.19
52	12,1	50	5	7	0.19
61	12,1	50	4	6	0.19





NYN 0.6/1(1.2) kV

SPLN 43-1/IEC 60502-1

Copper conductor, PVC insulated and PVC sheathed cable

DIMENSIONAL & MECHANICAL DATA

No. of cores	No. of wire and conductor shape		Nominal Thickness		Approximate		Bending radius min	Standard delivery length
	pcs	mm	Insulation	Outer sheath	Outer dia	Net Weight		
7	1	1c	0.8	1.8	17	423	210	500
7	7	1m	0.8	1.8	18	451	220	500
8	1	1c	0.8	1.8	18	470	220	500
8	7	1m	0.8	1.8	19	502	230	500
10	1	1c	0.8	1.8	20	589	240	500
10	7	1m	0.8	1.8	21	608	260	500
12	1	1c	0.8	1.8	21	640	260	500
12	7	1m	0.8	1.8	22	685	270	500
14	1	1c	0.8	1.8	22	717	270	500
14	7	1m	0.8	1.8	23	767	280	500
16	1	1c	0.8	1.8	24	861	290	500
16	7	1m	0.8	1.8	24	903	290	500
19	1	1c	0.8	1.8	25	970	300	500
21	1	1c	0.8	1.8	25	984	300	500
24	3	1c	0.8	1.8	26	1,055	320	500
24	7	1m	0.8	1.8	27	1,115	330	500
30	3	1c	0.8	1.8	29	1,195	350	500
30	7	1m	0.8	1.8	29	1,328	350	500
40	3	1c	0.8	1.9	32	1,704	390	500
40	7	1m	0.8	1.9	34	1,829	410	500
52	3	1c	0.8	2.0	36	2,191	440	500
52	7	1m	0.8	2.0	38	2,355	460	500
61	1	1c	0.8	2.1	38	2,529	460	500
61	7	1m	0.8	2.1	40	2,716	480	500

Control cable 2.5 mm²

ELECTRICAL DATA

No. of cores	Resistance at 20 °C		Current Carrying Capacity at 30 °C		Short circuit current of conductor at 1.0 sec
	Insulation min.		in (circulo)		
	DC conductor max	MC.km	in 4B	A	
7	7-41	50	16	19	0.32
8	7-41	50	16	19	0.32
10	7-41	50	13	16	0.32
12	7-41	50	13	16	0.32
14	7-41	50	12	14	0.32
16	7-41	50	12	14	0.32
19	7-41	50	11	12	0.32
21	7-41	50	11	12	0.32
24	7-41	50	10	11	0.32
30	7-41	50	10	11	0.32
40	7-41	50	8	9	0.32
52	7-41	50	8	9	0.32
61	7-41	50	7	8	0.32





NYRY 0.6/1 kV

IEC 60502-1

Copper conductor, PVC insulated, Aluminium wire armoured and PVC sheathed cable

DIMENSIONAL & MECHANICAL DATA

Nominal cross-sectional area	No. of wire and conductor shape	Insulation		Overall Thickness		Approximate		Bending radius min	Standard length
		mm	mm	mm	mm	Overall diameter	Max Weight		
25	2	1.2	0.9	1.8	10.9	17	534	210	1,000
35	7	1.2	0.9	1.8	12.0	18	650	220	1,000
50	19	1.4	1.25	1.8	13.7	21	845	260	1,000
70	19	1.4	1.25	1.8	15.5	23	1,088	380	1,000
85	19	1.6	1.25	1.8	17.8	25	1,403	320	1,000
120	37	1.6	1.5	1.8	19.4	27	1,722	330	1,000
150	37	1.8	1.5	1.8	21.4	29	2,045	350	1,000
185	37	2.0	1.5	1.8	23.5	31	2,457	360	1,000
240	61	2.2	1.6	1.9	26.5	34	3,113	410	1,000
300	61	2.4	2.0	2.0	29.3	38	3,866	460	1,000
400	61	2.6	2.0	2.1	33.0	42	4,825	510	500
500	61	2.8	2.0	2.2	36.6	46	5,565	560	500

1 Core

ELECTRICAL DATA

Nominal cross-sectional area	Resistance at 20 °C		Capacitance at 30 °C		Current Carrying Capacity at 30 °C		Short circuit current at duration of 1.0 sec
	DC	AC (inductor)	is, AC	is, DC (kVAr)	In (kVA)	In (MW)	
mm ²	Ω/km	μF/km	μF/km	μF/km	A	A	KA
25	0.727	50	126	126	129	126	2.96
35	0.524	40	151	151	159	153	4.13
50	0.387	40	181	181	189	189	5.87
70	0.288	30	231	231	240	232	8.19
85	0.191	30	285	285	296	265	11.89
120	0.131	30	334	303	346	319	13.00
150	0.124	30	375	358	388	374	17.46
185	0.0991	30	419	405	425	379	21.50
240	0.0754	30	492	426	506	426	27.86
300	0.0651	30	591	493	623	591	34.79
400	0.0470	30	653	593	693	521	41.50
500	0.0316	30	787	639	856	639	51.84





NYRGrB & NYFGbY 0.6/1(1.2) kV

SPLN 43-2/IEC 60502-1

Copper conductor, PVC insulated, Galvanized round steel wire or flat steel wire armoured and PVC sheathed cable

DIMENSIONAL & MECHANICAL DATA

Nominal cross-sectional area mm ²	No of wire and conductor shape	Insulation	Nominal Thickness		Approximately Overall Diameter	Net Weight kg/100m	Bending radius mm/min	Standard delivery length m
			Calculated wire armour	Cable Sheath				
NYRGrB								
10	7	1.0	0.9	1.8	16.7	1.177	280	1,000
16	7	1.0	1.6	1.8	19.3	1.807	330	1,000
25	7	1.2	1.6	1.8	21.4	2.467	390	1,000
35	7	1.2	1.6	1.8	26.1	3.021	410	1,000
50	19	1.2	1.6	1.9	24.0	3.741	390	1,000
50	19	1.4	2.0	2.1	27.8	3.731	450	1,000
70	19	1.4	2.0	2.2	31.2	4.109	500	1,000
95	19	1.6	2.3	2.4	33.3	6.407	560	500
120	37	1.6	2.3	2.5	39.0	7.867	600	500
150	37	1.8	2.3	2.7	41.4	9.168	660	500
185	37	2.0	2.3	2.9	47.6	11.034	720	500
240	37	2.1	2.3	3.1	51.5	13.817	800	500
300	37	2.4	2.3	3.3	59.9	16.702	870	200
NYFGbY								
16	7	1.0	0.8	1.8	19.3	1.567	320	1,000
25	7	1.2	0.8	1.8	23.4	2.176	360	1,000
35	7	1.2	0.8	1.9	26.1	2.691	400	1,000
50	19	1.2	0.8	1.9	24.0	2.413	380	1,000
50	19	1.4	0.8	2.0	27.8	3.541	420	1,000
70	19	1.4	0.8	2.1	31.2	3.8	480	1,000
95	19	1.6	0.8	2.3	39.2	5.332	520	500
120	37	1.6	0.8	2.4	39.0	6.508	570	500
150	37	1.8	0.8	2.6	43.4	7.885	620	500
185	37	2.0	0.8	2.8	47.8	9.624	680	500
240	37	2.1	0.8	3.0	53.3	12.212	750	500
300	37	2.4	0.8	3.2	59.9	14.978	820	200

4 Cores



ELECTRICAL DATA

Nominal cross-sectional area mm ²	Resistance at 20 °C		Current Carrying Capacity at 30 °C		Short circuit current of conductor at 1.0 sec kA
	DC conductor max	Insulation min	In AIR	In GROUND	
	(mm)	MΩ Km	A	A	kA
10	1.83	50	29	68	1.20
16	1.15	40	79	88	1.91
25	0.727	40	104	115	2.96
35	0.524	40	129	136	4.13
50	0.387	30	158	163	5.87
70	0.268	30	198	203	8.19
95	0.191	30	242	242	11.09
120	0.153	30	282	282	13.96
150	0.124	20	322	317	17.46
185	0.0991	20	366	351	21.50
240	0.0754	20	420	411	27.86
300	0.0601	20	395	460	34.75

NYRGGbY & NYFGbY 0.6/1(1.2) kV

SPLN 43-2/IEC 60502-1

Copper conductor, PVC insulated, Galvanized round steel wire of flat steel wire armoured and PVC sheathed cable



DIMENSIONAL & MECHANICAL DATA

Nominal cross-sectional area mm ²	No. of wire and conductor shape	Insulation	Nominal Thickness		Approximately		Bending radius mm	Standard delivery length m
			Galvanized wire armour	Cable Sheath	Inner Sheath diameter	Overall Diameter		
NYRGGbY								
10	7	1.0	0.9	1.3	14.2	21	260	1,000
16	7	1.0	0.9	1.8	16.3	23	1,108	1,000
25	7	1.2	1.6	1.8	19.7	28	1,778	1,000
35	7	1.2	1.6	1.8	22.0	30	2,126	1,000
50	19	1.4	1.6	1.8	25.4	33	2,627	1,000
70	19	1.4	2.0	1.9	29.0	39	3,571	1,000
95	19	1.6	2.0	2.2	33.9	44	4,837	1,000
120	37	1.6	2.0	2.3	37.1	47	5,449	1,000
150	37	1.8	2.3	2.4	41.0	52	6,859	1,000
185	37	2.0	2.3	2.6	45.8	57	8,224	1,000
240	61	2.2	2.5	2.8	51.8	64	10,205	1,000
300	61	2.4	2.5	2.9	57.7	70	12,282	1,000
NYFGbY								
25	7	1.2	0.8	1.6	19.7	26	1,322	1,000
35	7	1.2	0.8	1.8	22.0	28	1,857	1,000
50	19	1.4	0.8	1.9	25.4	32	2,330	1,000
70	19	1.4	0.8	2.0	29.4	36	3,055	1,000
95	19	1.6	0.8	2.1	33.9	41	3,943	500
120	37	1.6	0.8	2.2	37.1	44	4,681	500
150	37	1.8	0.8	2.3	41.4	49	5,670	500
185	37	2.0	0.8	2.5	45.8	54	6,849	500
240	61	2.2	0.8	2.7	51.8	60	8,679	300
300	61	2.4	0.8	2.8	57.7	66	10,577	300

2 Cores

ELECTRICAL DATA

Nominal cross-sectional area mm ²	Resistance at 20 °C		Capacitance at 30 °C		Current Carrying Capacity at 30 °C		Short circuit current of conductor at 1/3 sec
	DC conductor max	Insulation max	Insulation max	in AIR	in GROUND		
	Ω/km	MΩ/km	μF/km	A	A	KA	
10	1.01	50	65	77	77	1.20	
16	1.15	40	89	101	101	1.91	
25	0.727	40	119	113	113	2.90	
35	0.524	40	146	158	158	4.13	
50	0.387	30	178	185	185	5.87	
70	0.268	30	228	238	238	8.19	
95	0.193	30	272	277	277	11.09	
120	0.153	30	317	317	317	13.98	
150	0.124	30	371	351	351	17.46	
185	0.0991	30	426	405	405	21.50	
240	0.0754	20	505	467	467	27.89	
300	0.0601	20	584	520	520	34.79	





NYRGrby & NYFGbY 0.6/1(1.2) kV

SPLN 43-2/IEC 60502-1

Copper conductor, PVC insulated, Galvanized round steel wire or flat steel wire-armoured and PVC sheathed cable

DIMENSIONAL & MECHANICAL DATA

Nominal cross-sectional area mm ²	No of wire and conductor shape	Nominal Thickness		Approximately		Bending radius (mm)	Standard delivery length m
		Insulation	Galic steel wire armour	Outer Sheath	Lower Sheath diameter		
NYRGrby							
10	7	mm	0.9	1.8	22	1,008	270
16	7	mm	1.0	1.8	24	1,294	290
25	7	mm	1.2	1.8	29	2,089	390
35	7	mm	1.2	1.8	33	2,526	390
50	19	mm	1.2	1.8	39	2,158	350
70	19	mm	1.4	2.0	32	3,692	390
95	19	mm	1.4	2.0	36	3,687	440
120	19	mm	1.6	2.0	41	4,271	500
150	37	mm	1.6	2.4	43	5,614	520
185	37	mm	1.8	2.5	49	7,144	590
240	37	mm	2.0	2.7	53	8,526	640
300	37	mm	2.2	2.9	59	10,694	710
NYFGbY							
25	7	mm	0.8	1.8	28	1,811	340
35	7	mm	0.8	1.8	30	2,235	360
50	19	mm	0.8	1.8	27	1,896	330
70	19	mm	0.8	1.9	30	2,191	365
95	19	mm	0.8	2.0	34	3,139	410
120	19	mm	0.8	2.2	38	4,128	460
150	37	mm	0.8	2.3	41	4,939	500
185	37	mm	0.8	2.4	45	5,972	540
240	37	mm	0.8	2.6	49	7,271	590
300	37	mm	0.8	2.8	55	9,103	665
360	37	mm	0.8	3.0	60	11,394	720

ELECTRICAL DATA

Nominal cross-sectional area	Resistance at 20 °C		Insulation mΩ		Current Carrying Capacity at 30 °C		Short circuit current of conductor at 1.0 sec
	DC conductor mΩ		In AIR		In GROUND		
	Ω/km	mm ² km	A	kA	A	kA	
10	1.83	50	59	60	60	1.20	
16	1.15	50	79	88	88	1.91	
25	0.727	40	104	115	115	2.96	
35	0.524	40	129	138	138	4.33	
50	0.387	30	158	163	163	5.87	
70	0.288	30	198	201	201	8.19	
95	0.193	30	242	242	242	11.09	
120	0.153	30	282	282	282	13.98	
150	0.124	20	322	317	317	17.46	
185	0.0991	20	366	351	351	21.30	
240	0.0754	20	410	411	411	27.86	
300	0.0601	20	595	601	601	34.79	



NYRGrY & NYFGbY 0.6/1(1.2) kV

SPLN 43-2/IEC 60502-1

Copper conductor, PVC insulated, Galvanized round steel wire or flat steel wire armoured and PVC sheathed cable.



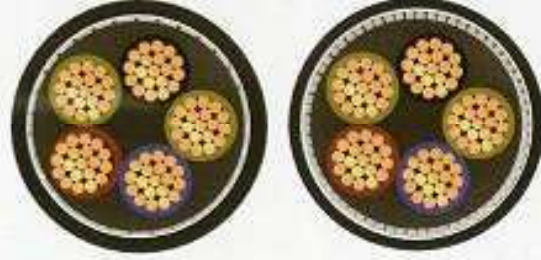
DIMENSIONAL & MECHANICAL DATA

Nominal cross-sectional area mm ²	No. of wires and conductor shape	Nominal Thickness		Approximate		Standard delivery length m
		Insulation mm	Cable steel wire armour mm	Overall Diameter mm	Net Weight kg/100m	
NYRGrY						
10	7	1.0	1.6	18.5	1.549	330
16	7	1.0	1.6	21.3	2.134	360
25	7	1.2	1.8	25.0	2.828	410
35	7	1.2	2.0	28.9	3.531	460
50	19	1.4	2.1	34.0	4.877	500
NYFGbY						
16	7	1.0	0.8	21.3	1.830	340
25	7	1.2	0.8	25.4	2.589	400
35	7	1.2	0.8	28.9	3.248	440
50	19	1.4	0.8	34.0	4.205	500

5 Cores

ELECTRICAL DATA

Nominal cross-sectional area mm ²	Resistance at 20 °C		Current Carrying Capacity at 30 °C		Short circuit current of conductor at 1.0 sec
	DC conductor resistance Ω/km	Insulation MΩ.km	In AWG	In DRUMPP	
10	1.83	50	58	68	7.20
16	1.15	40	79	88	1.91
25	0.727	40	104	113	2.96
35	0.524	40	125	136	4.13
50	0.397	30	158	163	5.87





NYRGGbY & NYFGbY 0.6/1(1.2) kV

SPLN 43-2/IEC 60502-1

Copper conductor, PVC insulated, Galvanized round steel wire or flat steel wire armoured and PVC sheathed cable

DIMENSIONAL & MECHANICAL DATA

No of cores	No of wires and conductor shape	Insulation	Metallic Thickness		Wire Strain Diameter	Approximately		Bending radius mm	Standard delivery length
			Galvanized wire armour	Outer Sheath		Overall Diameter	Net Weight		
pcs	pcs	mm	mm	mm	mm	mm	kg/km	mm	m
7	1	0.8	0.9	1.8	11.4	18	578	220	500
7	7	0.8	0.9	1.8	11.8	18	595	220	500
8	1	0.8	0.9	1.8	32.4	16	629	230	500
8	7	0.8	0.9	1.8	32.4	16	629	230	500
10	1	0.8	0.9	1.8	44.5	21	740	260	500
10	7	0.8	0.9	1.8	45.0	22	766	270	500
12	1	0.8	0.9	1.8	54.9	23	861	260	500
12	7	0.8	0.9	1.8	55.3	22	828	270	500
14	1	0.8	0.8	1.8	15.7	32	871	270	500
14	7	0.8	0.9	1.8	16.3	23	901	280	500
16	1	0.8	0.9	1.8	16.6	23	953	290	500
16	7	0.6	0.9	1.8	17.3	24	984	290	500
19	1	0.8	1.6	1.8	17.5	26	1329	300	500
19	7	0.8	1.6	1.8	18.2	26	1353	310	500
21	1	0.8	1.6	1.8	18.4	27	1422	310	500
21	7	0.8	1.6	1.8	19.2	27	1462	320	500
24	1	0.8	1.6	1.8	20.5	29	1591	350	500
24	7	0.8	1.6	1.8	21.4	29	1640	350	500
30	1	0.8	1.6	1.8	21.8	30	1777	360	500
30	7	0.8	1.6	1.8	22.7	31	1831	380	500
40	1	0.8	2.0	1.9	24.5	34	2342	410	500
40	7	0.8	2.0	1.9	25.5	35	2414	420	500
52	1	0.8	2.0	2.1	28.3	38	2860	460	500
52	7	0.8	2.0	2.1	29.5	39	2971	470	500
61	1	0.8	2.0	2.1	30.3	40	3169	480	500
61	7	0.8	2.0	2.1	31.3	41	3288	500	500
NYFGbY									
21	1	0.8	0.8	1.8	18.4	25	1173	300	500
21	7	0.8	0.8	1.8	19.2	26	1227	300	500
24	1	0.8	0.8	1.8	20.5	27	1329	330	500
24	7	0.8	0.8	1.8	21.4	28	1362	340	500
30	1	0.8	0.8	1.8	21.8	28	1483	340	500
30	7	0.8	0.8	1.8	22.7	28	1547	350	500
40	1	0.8	0.8	1.9	24.5	31	1819	380	500
40	7	0.8	0.8	1.9	25.5	32	1892	390	500
52	1	0.8	0.8	2.0	26.3	35	2270	420	500
52	7	0.8	0.8	2.0	29.5	38	2356	440	500
61	1	0.8	0.8	2.1	30.3	37	2546	450	500
61	7	0.8	0.8	2.1	31.3	38	2640	460	500

ELECTRICAL DATA

No of cores	Resistance at 20 °C		Current Carrying Capacity at 30 °C		Short circuit current of conductor at 1 sec
	DC conductor max	Insulation min	In AIR	In GROUND	
pcs	Ω/km	Ω/kV.km	A	A	kA
7	12.1	50	10	14	0.15
8	12.1	50	10	14	0.15
10	12.1	50	9	12	0.15
12	12.1	50	9	12	0.15
14	12.1	50	8	10	0.15
16	12.1	50	8	10	0.15
19	12.1	50	7	9	0.15
21	12.1	50	7	9	0.15
24	12.1	50	6	8	0.15
30	12.1	50	6	8	0.15
40	12.1	50	5	7	0.15
50	12.1	50	5	7	0.15
61	12.1	50	4	6	0.15

NYRGBY & NYFGbY 0.6/1(1.2) kV

SPLN 43-2/IEC 60502-1

Copper conductor, PVCinsulated, Galvanized round steel wire or flat steel wire armoured and PVC sheathed cable

DIMENSIONAL & MECHANICAL DATA

Control cable 7.5 mm²

No. of cores	No. of wires and conductor shape	Insulation	Nominal Thicknesses		Inner Sheath diameter	Approximately		Bending radius min	Standard delivery length
			Calculated wire armour	Outer Sheath		Overall Diameter	Net weight		
pos.	pos.		mm	mm	mm	mm	Kg/Km	mm	m.
NYRGBY									
7	1	re	0.9	1.8	12.6	19	684	230	500
7	7	rm	0.9	1.8	13.3	20	723	240	500
8	1	re	0.8	0.9	13.5	20	747	240	500
8	7	rm	0.9	1.8	14.4	21	794	260	500
10	1	re	0.8	0.9	16.0	22	895	270	500
10	7	rm	0.8	0.9	16.9	23	948	280	500
12	1	re	0.8	0.9	16.5	23	972	280	500
12	7	rm	0.8	0.9	17.5	24	1,033	290	500
14	1	re	0.8	1.6	17.4	25	1,156	320	500
14	7	rm	0.8	1.6	18.3	27	1,442	330	500
16	1	re	0.8	1.6	18.4	26	1,401	330	500
16	7	rm	0.8	1.6	19.3	28	1,572	340	500
18	1	re	0.8	1.6	19.4	28	1,616	340	500
18	7	rm	0.8	1.6	20.3	29	1,717	350	500
21	1	re	0.8	1.6	20.4	29	1,714	350	500
21	7	rm	0.8	1.6	21.7	30	1,838	360	500
24	1	re	0.8	1.6	22.8	31	1,950	380	500
24	7	rm	0.8	1.6	24.3	33	2,088	400	500
30	1	re	0.8	1.6	24.2	33	2,199	400	500
30	7	rm	0.8	1.6	25.4	34	2,350	410	500
40	1	re	0.8	2.0	27.1	37	2,916	450	500
40	7	rm	0.8	2.0	29.0	39	3,099	470	500
52	1	re	0.8	2.0	31.5	41	3,505	500	500
52	7	rm	0.8	2.0	33.5	43	3,831	520	500
61	1	re	0.8	2.0	33.5	43	4,008	520	500
61	7	rm	0.8	2.0	35.7	46	4,320	560	500
NYFGbY									
16	1	re	0.8	0.8	16.4	25	1,231	100	500
16	7	rm	0.8	0.8	17.5	26	1,316	120	500
19	1	re	0.8	0.8	19.4	26	1,360	120	500
19	7	rm	0.8	0.8	20.5	27	1,455	130	500
21	1	re	0.8	0.8	20.4	27	1,468	130	500
21	7	rm	0.8	0.8	21.7	28	1,544	140	500
24	1	re	0.8	0.8	22.8	29	1,633	150	500
24	7	rm	0.8	0.8	24.3	31	1,745	160	500
30	1	re	0.8	0.8	24.2	31	1,891	160	500
30	7	rm	0.8	0.8	25.3	31	2,019	160	500
40	1	re	0.8	0.8	27.3	34	2,326	180	500
40	7	rm	0.8	0.8	29.0	36	2,509	180	500
52	1	re	0.8	0.8	31.5	39	2,916	180	500
52	7	rm	0.8	0.8	33.5	41	3,117	180	500
61	1	re	0.8	0.8	33.5	41	3,315	180	500
61	7	rm	0.8	0.8	35.7	43	3,516	180	500



ELECTRICAL DATA

No. of cores	Resistance at 30 °C		Current Carrying Capacity at 30 °C		Short circuit current of conductor at 1.0 sec
	DC conductor ear	Insulation min	In A/B	In C/GB/ED	
pos.	DC/m	ms/km	A		kA
7	7.41	50	16	19	14
8	7.41	50	16	19	0.32
10	7.41	50	13	16	0.32
12	7.41	50	11	16	0.32
14	7.41	50	12	14	0.32
16	7.41	50	12	14	0.32
19	7.41	50	11	12	0.32
21	7.41	50	11	12	0.32
24	7.41	50	10	11	0.32
30	7.41	50	10	11	0.32
40	7.41	50	8	9	0.32
50	7.41	50	8	9	0.32
61	7.41	50	7	8	0.32



NYSY 0.6/1(1.2) kV IEC 60502-1

Copper conductor, PVC insulated, copper tape screened and PVC sheathed cable

DIMENSIONAL & MECHANICAL DATA

Nominal cross-sectional area mm ²	No. of wires and conductor shape		Insulation mm	Nominal Thickness		Approximatively		Standard delivery length m	
	pcs	mm		Copper Tape	Insulation	Outer Sheath	Inner Sheath diameter		Overall Diameter
1.5	3	7φ	0.8	0.1	1.8	10.0	15	180	1,000
2.5	7	7φ	0.8	0.1	1.8	10.0	15	298	180
2.5	3	7φ	0.8	0.1	1.8	10.0	15	305	180
2.5	7	7φ	0.8	0.1	1.8	10.0	15	305	180
4	3	7φ	1.0	0.1	1.8	10.0	15	315	180
4	7	7φ	1.0	0.1	1.8	10.0	15	314	180
6	3	7φ	1.0	0.1	1.8	10.0	15	327	180
6	7	7φ	1.0	0.1	1.8	10.0	15	327	180
10	3	7φ	1.0	0.1	1.8	10.0	15	354	180
10	7	7φ	1.0	0.1	1.8	10.0	15	353	180
16	7	7φ	1.0	0.1	1.8	10.0	15	392	180
25	7	7φ	1.2	0.1	1.8	10.5	16	491	200
35	7	7φ	1.2	0.1	1.8	12.0	17	605	210
50	19	7φ	1.4	0.1	1.8	13.7	19	757	230
70	19	7φ	1.4	0.1	1.8	15.5	20	993	240
95	19	7φ	1.6	0.1	1.8	17.8	23	1,295	280
120	37	7φ	1.6	0.1	1.8	19.4	24	1,597	300
150	37	7φ	1.8	0.1	1.8	21.4	26	1,865	320
185	37	7φ	2.0	0.1	1.8	23.5	28	2,262	340
240	61	7φ	2.2	0.1	1.8	26.5	31	2,882	380
300	61	7φ	2.4	0.1	1.9	29.3	34	3,533	400
400	61	7φ	2.6	0.1	2.0	33.0	38	4,491	460
500	61	7φ	2.8	0.1	2.1	36.6	42	5,554	510

1 Core



ELECTRICAL DATA

Nominal cross-sectional area mm ²	Resistance at 20 °C		Insulation mm	Current Carrying Capacity at 30 °C		Short circuit current of conductor at 1.0 sec kA
	DC conductor max Ω/km	AC conductor max mΩ/km		In air A	In GROUND A	
1.5	12.1	12	12	16	33	0.19
2.5	7.41	10	10	25	44	0.32
4	4.61	10	10	45	57	0.50
6	3.68	8	8	57	73	0.73
10	1.83	6	6	79	97	1.20
16	1.15	4	4	99	108	1.91
25	0.727	4	4	134	137	2.95
35	0.524	3	3	168	163	4.13
50	0.387	3	3	203	175	5.87
70	0.268	3	3	257	216	8.19
95	0.193	3	3	317	260	11.09
120	0.153	3	3	371	295	13.98
150	0.124	3	3	425	335	17.46
185	0.0993	3	3	486	379	21.50
240	0.0754	3	3	584	432	27.86
300	0.0601	3	3	684	485	34.79
400	0.0470	3	3	813	573	51.50
500	0.0366	3	3	950	652	71.84

SUPREME

LOW VOLTAGE

PVC INSULATED CABLES

NYSY 0.6/1(1.2) kV

IEC 60502-1

Copper conductor, PVC-insulated, copper taps screened and PVC sheathed cable



DIMENSIONAL & MECHANICAL DATA

Nominal cross-sectional area mm ²	No. of wire and conductor shape	Nominal Thickness		Inner Sheath diameter	Approximately		Standard delivery length m
		Insulation	Copper Tape		Overall Diameter	Net Weight	
1.5	1 re	0.8	0.1	1.8	15	213	180
1.5	7 rm	0.8	0.1	1.8	15	311	180
2.5	1 re	0.8	0.1	1.8	15	324	180
2.5	7 rm	0.8	0.1	1.8	15	323	180
4	1 re	1.0	0.1	1.8	16	370	200
4	7 rm	1.0	0.1	1.8	16	398	200
6	1 re	1.0	0.1	1.8	17	437	210
6	7 rm	1.0	0.1	1.8	17	471	210
10	1 re	1.0	0.1	1.8	18	567	220
10	7 rm	1.0	0.1	1.8	18	614	220
16	7 rm	1.0	0.1	1.8	21	808	260
25	7 rm	1.2	0.1	1.8	25	1,142	300
35	7 rm	1.2	0.1	1.8	27	1,425	330
50	19 rm	1.4	0.1	1.8	30	1,830	360
70	19 rm	1.4	0.1	1.9	34	2,440	410
95	19 rm	1.6	0.1	2.0	39	3,285	470
120	37 rm	1.6	0.1	2.1	43	3,967	520
150	37 rm	1.8	0.1	2.2	47	4,819	570
185	37 rm	2.0	0.1	2.4	52	5,975	630
240	61 rm	2.2	0.1	2.6	58	7,674	700
300	81 rm	2.4	0.1	2.7	64	9,466	770

2 Cores

ELECTRICAL DATA

Nominal cross-sectional area mm ²	Resistance at 20 °C		Current Carrying Capacity at 30 °C		Short circuit current of conductor at 1.0 sec
	DC conductor max	Insulation min	In AIR	In GROUND	
	Df/m	mΩ/km	A		MA
1.5	12.1	12	21	27	0.19
1.5	2.41	10	29	36	0.32
4	4.51	10	38	46	0.50
6	3.08	8	47	58	0.71
10	1.83	6	65	77	1.20
16	1.15	5	89	101	1.91
25	0.727	5	119	133	2.96
35	0.524	4	148	158	4.13
50	0.387	4	178	185	5.87
70	0.268	3	228	228	8.19
95	0.193	3	272	277	11.09
120	0.153	3	317	317	15.98
150	0.124	3	371	383	17.48
185	0.0991	3	426	405	21.50
240	0.0754	3	505	467	27.86
300	0.0601	3	584	520	34.75





NYSY 0.6/1(1.2) kV

IEC 60502-1

Copper conductor, PVC insulated, copper tape screened and PVC sheathed cable

DIMENSIONAL & MECHANICAL DATA

Nominal cross-sectional area mm ²	No. of wires and conductor shape	Nominal Thickness			Approximately		Standard delivery length m		
		Insulation mm	Copper tape mm	Outer Sheath mm	Inner Sheath thickness mm	Overall Diameter mm		Net Weight kg/km	Breaking stress mN
1.5	1	0.6	0.1	1.8	10.1	15	320	180	1,000
1.5	7	0.8	0.1	1.8	10.1	15	118	180	1,000
2.5	1	0.8	0.1	1.8	10.1	15	318	180	1,000
2.5	7	0.8	0.1	1.8	10.1	15	337	180	1,000
4	1	1.0	0.1	1.8	11.4	16	423	200	1,000
4	7	1.0	0.1	1.8	12.1	17	454	210	1,000
6	1	1.0	0.1	1.8	12.5	17	509	210	1,000
6	7	1.0	0.1	1.8	13.3	18	548	220	1,000
10	1	1.0	0.1	1.8	14.2	19	676	230	1,000
10	7	1.0	0.1	1.8	15.1	20	729	240	1,000
16	7	1.0	0.1	1.8	17.5	22	985	270	1,000
25	7	1.2	0.1	1.8	21.2	26	1,405	330	1,000
35	7	1.2	0.1	1.8	23.5	28	1,777	340	1,000
35	7	1.2	0.1	1.8	20.7	26	1,400	330	500
50	19	1.4	0.1	1.8	23.5	28	1,918	340	500
70	19	1.4	0.1	1.9	26.8	31	2,620	390	500
95	19	1.6	0.1	2.1	30.9	36	4,520	440	500
120	37	1.6	0.1	2.2	33.4	39	4,380	470	500
150	37	1.6	0.1	2.3	37.4	43	5,259	530	500
185	37	2.0	0.1	2.5	41.2	47	6,478	570	500
240	37	2.2	0.1	2.7	46.7	51	8,190	640	500
300	37	2.4	0.1	2.9	51.6	58	10,377	710	500

3 Cores

ELECTRICAL DATA

Nominal cross-sectional area mm ²	Resistance at 20 °C		Capacitance at 20 °C		Current Carrying Capacity at 30 °C		Short circuit current of conductor at 1.0 sec kA
	DC (mV/km)max	Insulation mΩ/km	In (nF/km)	Out (nF/km)	In (A)	Out (A)	
1.5	12.1	12	18	24	18	24	0.19
2.5	7.41	10	25	32	25	32	0.32
4	4.41	10	34	40	34	40	0.50
6	3.08	8	43	51	43	51	0.73
10	1.83	6	59	6	59	6	1.20
16	1.15	5	79	88	79	88	1.91
25	0.727	5	104	115	104	115	2.96
30	0.524	4	129	137	129	137	4.13
50	0.307	4	156	163	156	163	5.87
70	0.208	3	188	203	188	203	8.15
95	0.193	3	242	242	242	242	11.09
120	0.151	3	282	282	282	282	15.98
150	0.124	3	322	312	322	312	17.46
185	0.0991	3	366	351	366	351	21.50
240	0.0754	3	431	411	431	411	27.66
300	0.0601	3	495	480	495	480	34.79



NYSY 0.6/1(1.2) kV IEC 60502-1

Copper conductor, PVC insulated, copper tape screened and PVC sheathed cable



DIMENSIONAL & MECHANICAL DATA

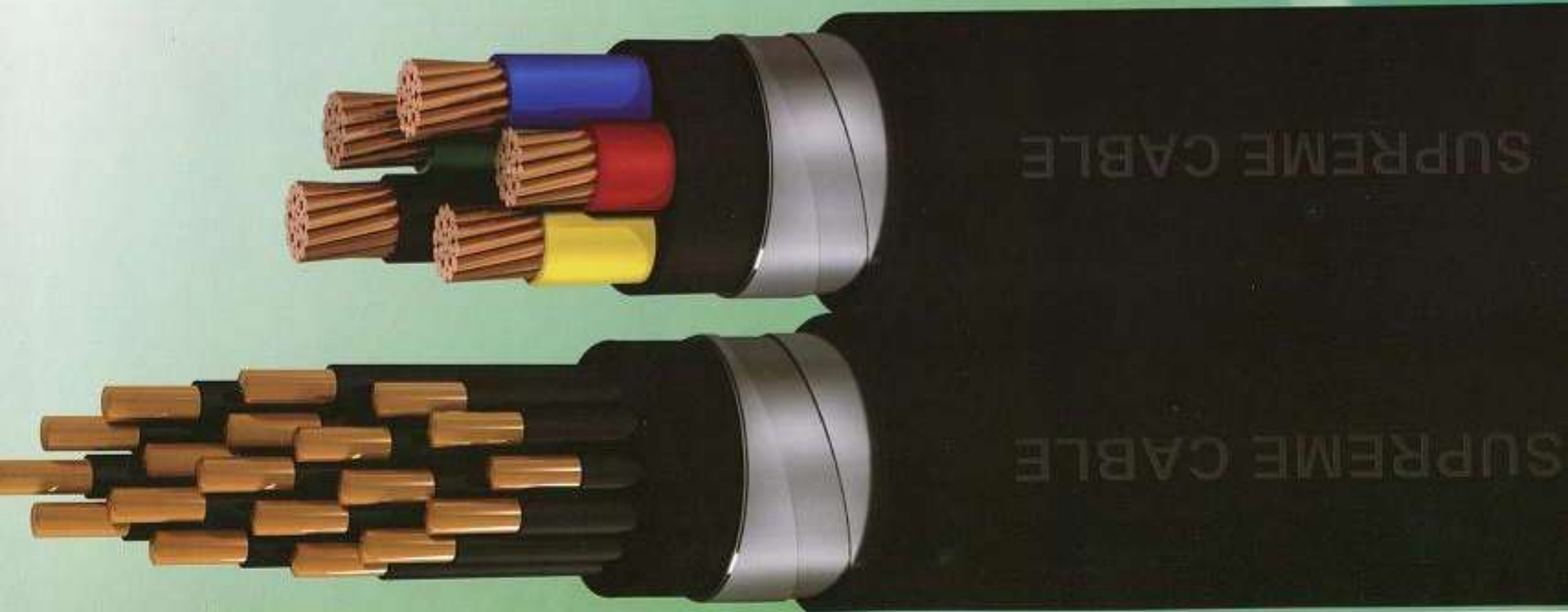
Nominal cross-sectional area mm ²	No. of wire and conductor shape	Nominal Thickness			Approximate		Standard delivery length m		
		Insulation	Copper Tape	Outer Sheath	Inner Sheath diameter	Overall Diameter		Net Weight kg/km	
1.5	1	re	0.1	1.8	10.0	15	324	150	1,000
1.5	7	rm	0.1	1.8	10.0	15	321	180	1,000
2.5	1	re	0.8	1.8	10.4	15	383	180	1,000
2.5	7	rm	0.8	1.8	10.9	16	387	200	1,000
4	1	re	1.0	1.8	12.5	17	484	210	1,000
4	7	rm	1.0	1.8	13.3	18	539	220	1,000
6	1	re	1.0	1.8	13.7	19	601	210	1,000
6	7	rm	1.0	1.8	14.6	19	646	230	1,000
10	1	re	1.0	1.8	15.5	20	810	240	1,000
10	7	rm	1.0	1.8	16.7	22	872	270	1,000
16	7	rm	1.0	1.8	19.3	24	1,187	290	1,000
25	7	rm	1.2	1.8	23.4	28	1,719	340	1,000
35	7	rm	1.2	1.8	26.1	31	2,191	380	1,000
35	19	sm	1.2	1.8	24.0	29	1,940	350	1,000
50	19	sm	1.4	1.9	27.8	33	2,596	400	1,000
70	19	sm	1.4	2.1	31.2	37	3,498	450	1,000
95	19	sm	1.6	2.2	35.2	41	4,656	50	500
120	37	sm	1.6	2.3	39.0	45	5,741	540	500
150	37	sm	1.8	2.5	43.4	50	7,039	600	500
185	37	sm	2.0	2.7	47.6	54	8,697	690	500
240	37	sm	2.2	2.9	51.5	61	11,198	740	300
300	37	sm	2.4	3.1	58.9	66	13,834	800	300

4 Cores

ELECTRICAL DATA

Nominal cross-sectional area mm ²	Resistance at 20 °C			Current Carrying Capacity at 30 °C		Short circuit current of conductor at 1.0 sec kA
	DC conductor max	Insulation min	AC 50 Hz	In AIR		
				In AIR	In GROUND	
1.5	32.3	12	12	18	24	0.19
2.5	7.45	10	10	25	32	0.32
4	4.65	10	10	34	40	0.50
6	3.08	8	8	43	51	0.73
10	1.83	6	6	59	6	1.20
16	1.15	5	5	79	68	1.91
25	0.727	5	5	104	115	2.96
35	0.524	4	4	129	137	4.13
50	0.387	4	4	158	163	5.87
70	0.268	3	3	198	203	8.19
95	0.193	3	3	242	242	11.09
120	0.153	3	3	282	282	13.98
150	0.124	3	3	302	312	17.46
185	0.0991	3	3	366	351	21.50
240	0.0754	3	3	431	411	27.96
300	0.0601	3	3	495	460	34.79







N2XA - 0.6/1 kV (Copper Conductor, XLPE Insulated) SPECIFICATION : IEC 502

DIMENSIONAL & MECHANICAL DATA

Size	No. of liters and weight of conductor	Nominal insulation thickness	Approximate		Minimum Bending Diameter	Standard Delivery Length
			Overall Diameter	Net Weight		
mm ²	mm ²	mm	mm	kg/km	mm	m
1.5 (1)	1	0.70	3.00	19	84	100 / Coil
	7		3.00	18	90	
	1		3.20	26	100	
2.5	7	3.50	29	110		
	1	3.70	42	120		
4	7	4.00	44	130		
	1	4.20	61	140		
6	7	4.60	63	160		
	1	5.00	99	170		
10	7	5.50	103	190		
	7	6.60	159	240		
25	7	0.90	8.30	253	300	
	7		9.50	346	340	
50	19	1.00	11.00	462	400	
	19	1.10	13.00	664	480	
95	19	1.20	15.00	912	560	
	37	1.40	17.00	1,147	620	
150	37	1.40	19.00	1,413	700	
	37	1.60	21.00	1,775	780	
240	61	1.70	24.00	2,332	900	
	61	1.80	27.00	2,904	1,000	
400	61	2.00	30.00	3,710	1,130	
	61	2.20	34.00	4,673	1,270	

1 CORE



ELECTRICAL DATA

Size	DC Resistance @20°C		Current Carrying Capacity @ 30°C		Capacitance Short Circuit Current Capacity at:	
	Conductor Mils	Insulator Mils	In Air	In Pipe	15 sec	1.5 sec
mm ²	mm ²	mm	A	A	KA	KA
1.5	12.1	1.170	27	17	0.72	0.34
2.5	7.41	672	37	23	1.19	0.56
4	4.61	722	49	29	1.67	0.87
6	3.08	613	62	38	2.79	1.29
10	1.83	492	85	52	4.62	2.12
16	1.15	402	112	70	7.35	3.36
25	0.727	409	161	95	11.45	5.21
35	0.524	353	182	119	16.00	7.26
50	0.387	334	226	151	22.82	10.32
70	0.268	309	263	190	31.90	14.41
95	0.193	266	336	227	43.25	19.50
120	0.153	257	396	271	54.59	24.59
150	0.124	270	449	-	68.19	30.70
185	0.0891	275	514	-	84.06	37.82
240	0.0754	254	607	-	108.99	48.89
300	0.0601	241	669	-	136.17	61.18
400	0.047	237	831	-	181.47	81.48
500	0.0366	232	950	-	226.76	101.78

Note:
 1. Solid Plastics film
 2. Stranded Conductor Non-Compacted
 3. Red or Yellow or Blue or Black or Green or Yellow with Green ribs
 4. For smaller or bigger sizes, Please Contact Manufacturer

TABLE 2

N2XY - 0.6/1 kV (Copper Conductor, XLPE Insulated, PVC Sheathed) SPECIFICATION : IEC 502

1 CORE



DIMENSIONAL & MECHANICAL DATA

Size	No. of wires and stranding of Conductor		Nominal Thickness		Approximability		Minimum Bending Diameter	Standard Delivery Length
	dia	strs	Insulation	Outer Sheath	Overall Diameter	Net Weight		
1.5 (1)	1	re	0.70	1.40	6.00	46	140	1,000
	7	rm			6.00	48	150	
2.5	1	re	0.70	1.40	6.20	59	150	
	7	rm			6.50	62	170	
4	1	re	0.70	1.40	6.70	77	180	
	7	rm			7.00	81	190	
6	1	re	0.90	1.60	7.10	93	200	
	7	rm			7.50	104	210	
10	1	re	1.10	1.50	8.00	142	230	
	7	rm			8.50	150	250	
16	7	rm	1.20	1.50	9.50	213	300	
	7	rm			11.50	318	360	
25	7	rm	1.40	1.60	12.50	419	400	
35	7	rm	1.60	1.70	14.00	546	460	
50	19	rm	1.00		16.00	766	540	
70	19	rm	1.10		18.00	1,033	620	
95	19	rm	1.20		20.00	1,287	690	
120	37	rm	1.40		22.00	1,575	770	
150	37	rm	1.60		25.00	1,965	850	
185	37	rm	1.70		28.00	2,552	980	
240	61	rm	1.80		31.00	3,171	1,080	
300	61	rm	2.00		35.00	4,028	1,220	
400	61	rm	2.20		39.00	5,051	1,350	
500 (1)	61	rm	2.20		39.00	5,051	1,350	

ELECTRICAL DATA

Size	DC Resistance at 20°C		Current Carrying Capacity at 30°C						Conductor Short Circuit Current Capacity etc.		
	Conductor Res	Insulation Res	In-ground		In Air		0.1 sec	0.5 sec	1.0 sec		
			Field	Ret	Field	Ret					
mm ²	Ohm/km	M. Ohm/km	A	A	A	A	kA	kA	kA	kA	
1.5	12.1	1,170	38	30	30	0.72	0.34	0.26			
2.5	7.41	872	52	40	40	1.16	0.56	0.41			
4	4.61	722	66	53	53	1.87	0.87	0.64			
6	3.08	613	85	66	66	2.79	1.29	0.93			
10	1.83	482	112	92	92	4.62	2.12	1.53			
16	1.15	402	120	123	99	7.35	3.36	2.41			
25	0.727	409	143	158	138	11.45	5.21	3.73			
35	0.524	353	173	189	166	16.00	7.26	5.18			
50	0.387	334	204	225	207	22.82	10.32	7.36			
70	0.288	309	250	275	258	31.90	14.41	10.26			
95	0.193	266	302	332	321	43.25	19.50	13.86			
120	0.153	257	342	378	379	43.25	19.50	13.86			
150	0.124	270	388	429	436	54.59	24.59	17.49			
185	0.0991	275	440	480	505	68.19	30.70	21.81			
240	0.0754	254	500	552	608	108.99	48.99	34.78			
300	0.0601	241	562	634	700	136.17	61.18	43.41			
400	0.0470	237	665	725	849	181.47	81.48	57.79			
500	0.0366	232	756	838	987	226.76	101.78	72.16			



NOTE

- re Solid Round Wire
- rm Stranded Circular Main Component
- ns Non-stranded
- ns Natural
- Over sheath colour Black
- () For smaller or bigger Sizes, Please Contact Manufacturer.



N2XY - 0.6/1 kV

(Copper Conductor, XLPE Insulated, PVC Sheathed)
SPECIFICATION : IEC 502

2 CORES



DIMENSIONAL & MECHANICAL DATA

Size	No. of wires and shape of Conductor		Nominal Thickness		Approximability		Minimum Bending Diameter	Standard Delivery Length
	size	shape	Insulation	Outer Sheath	Overall Diameter	Net Weight		
	mm	mm	mm	mm	mm	kg/km	mm	m
1.5 (C)	1	no	0.70	1.80	12.00	180	190	1,000
	7	rm			12.00	187	200	
	1	rb			12.00	221	220	
2.5	7	rm	1.80	1.80	13.00	236	230	
	1	rb			13.00	272	240	
4	7	rm	0.70	1.80	14.00	293	250	
	1	rb			14.00	336	260	
	7	rm			15.00	362	280	
10	1	rb	1.00	2.00	16.00	456	300	
	7	rm			17.00	495	310	
16	7	rm	1.10	2.00	19.00	674	360	
	7	rm			23.00	982	430	
25	7	rm	0.90	2.00	25.00	1,258	500	
	7	rm			28.00	1,610	570	
35	19	rm	1.00	1.85	33.00	2,265	660	
	19	rm			37.00	2,986	890	
50	19	rm	1.10	2.10	26.00	1,640	490	
	19	rm			28.00	2,178	530	
70	37	rm	1.20	2.20	41.00	3,692	840	
	37	rm			31.00	2,700	590	
120 (C)	37	rm	1.40	2.40	46.00	4,564	940	
	37	sm			35.00	3,345	660	

ELECTRICAL DATA

Size	DC Resistance at 20°C		Conducting Capacity at 30°C		Conductor Short Circuit Current Capacity at:		
	Conductor Area	Insulation Min	In ground	In Air	1 sec	30 sec	10 sec
mm ²	mm ²	M. Ohm.km	A	A	M	M	M
1.5	12.1	1,170	24	31	0.72	0.34	0.26
2.5	7.41	872	33	41	1.18	0.56	0.41
4	4.61	722	44	54	1.87	0.87	0.64
6	3.08	613	55	66	2.79	1.29	0.93
10	1.83	492	76	89	4.62	2.12	1.53
16	1.15	402	103	117	7.35	3.36	2.41
25	0.727	409	139	154	11.45	5.21	3.73
35	0.524	363	172	184	16.00	7.26	5.18
50	0.387	334	207	215	22.82	10.32	7.36
70	0.268	309	264	264	31.90	14.41	10.26
95	0.193	266	316	321	43.25	19.50	13.88
120	0.153	257	367	367	54.59	24.59	17.49
150	0.124	270	433	407	68.19	30.70	21.81



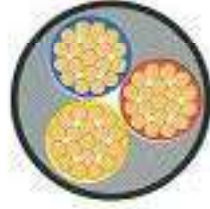
NOTE:

- rw : Solid Round Wire
- rm : Stranded Circular Non Compacted
- ra : Stranded Sector Shaped Compacted
- rb : Solid Blue
- rc : Solid Black
- C : For smaller or bigger Sizes, Please Contact Manufacturer.

**TABLE
4**

N2XY - 0.6/1 kV
(Copper Conductor, XLPE Insulated, PVC Sheathed)
SPECIFICATION : IEC 502

3 CORES



DIMENSIONAL & MECHANICAL DATA

Size	No. of wires and shape of Conductor		Insulated Thickness		Approximability		Standard Delivery Length
	mm ²	pcs	mm	mm	Overall Diameter	Net Weight (kg/km)	
1.5 (C)	1	re	0.70	1.80	12.00	200	1,000
		7			13.00	207	
		7			13.00	251	
2.5	7	re	0.70	1.80	14.00	266	1,000
		7			14.00	316	
		7			15.00	339	
4	7	re	0.70	1.80	15.00	396	1,000
		7			16.00	426	
		7			17.00	554	
6	7	re	0.70	1.80	18.00	597	1,000
		7			20.00	829	
		7			24.00	1,224	
25	7	re	0.90	1.90	27.00	1,586	500
		7			30.00	2,059	
		7			35.00	2,905	
50	19	re	1.10	2.20	40.00	3,884	500
		sm			34.00	3,255	
		sm			45.00	4,850	
70	19	re	1.20	2.30	48.00	4,067	500
		sm			38.00	3,255	
		sm			49.00	5,920	
95	37	re	1.40	2.50	55.00	7,422	500
		sm			41.00	4,950	
		sm			55.00	7,422	
120	61	re	1.60	2.70	62.00	9,580	500
		sm			46.00	6,184	
		sm			62.00	9,580	
150	37	re	1.70	2.90	68.00	11,824	200
		sm			51.00	7,976	
		sm			68.00	11,824	
300 (*)	61	re	1.80	2.70	56.00	9,940	200
		sm			41.00	4,950	
		sm			56.00	9,940	

ELECTRICAL DATA

Size	DC Resistance at 20°C		Insulation Min		Current Carrying Capacity at 30°C			Capacitor Short Circuit Current Capacity at:		
	Conductor kΩ/km	U. D. Ω/km	U. D. Ω/km	Min	In-ground	In Air	A	0.1 sec	0.5 sec	10 sec
1.5	12.1	1,170	1,170	21	21	27	0.72	0.34	0.26	
2.5	7.41	872	872	29	29	37	1.18	0.56	0.41	
4	4.61	722	722	39	39	47	1.87	0.87	0.64	
6	3.08	613	613	50	50	60	2.79	1.29	0.93	
10	1.83	482	482	69	69	79	4.62	2.12	1.53	
16	1.15	402	402	92	92	102	7.35	3.36	2.41	
25	0.727	409	409	120	120	133	11.45	5.21	3.73	
35	0.524	353	353	149	149	158	16.00	7.26	5.19	
50	0.387	334	334	184	184	189	22.82	10.32	7.36	
70	0.268	309	309	230	230	235	31.90	14.41	10.26	
95	0.193	266	266	281	281	281	43.25	19.50	13.88	
120	0.153	257	257	327	327	327	54.59	24.59	17.48	
150	0.124	270	270	373	373	382	68.19	30.70	21.81	
185	0.0991	275	275	425	425	407	84.06	37.82	26.86	
240	0.0754	254	254	499	499	476	108.99	48.99	34.78	
300	0.0601	241	241	534	534	534	136.17	61.18	43.41	

NOTE:
 re Solid Round Wire
 sm Stranded Conductor Non Compacted
 sm Stranded Sector Shaped Compacted
 Insulation colour Red, Yellow, Blue
 Outer sheath colour Black
 * For smaller or bigger Sizes, Please Contact Manufacturer

N2XY - 0.6/1 kV (Copper Conductor, XLPE Insulated, PVC Sheathed) SPECIFICATION : IEC 502

DIMENSIONAL & MECHANICAL DATA

Size	No. of wires and shape of Conductor		Nominal Thickness		Approximate		Minimum Bending Diameter	Standard Delivery Length
	pos.	shape	Insulation	Outer Sheath	Overall Diameter	Net Weight		
1.5 (*)	1	re	0.70	1.80	13.00	228	210	1,000
	7	rm			14.00	235	220	
2.5	1	re	0.70	1.80	14.00	291	230	1,000
	7	rm			14.00	308	255	
4	1	re	0.70	1.80	15.00	371	260	1,000
	7	rm			16.00	397	280	
6	1	re	0.70	1.80	16.00	475	290	1,000
	7	rm			17.00	507	310	
10	1	re	0.90	1.80	18.00	671	330	1,000
	7	rm			19.00	720	350	
16	7	rm	0.90	1.80	22.00	1,013	410	1,000
	7	rm			26.00	1,508	480	
25	7	rm	1.00	2.00	29.00	1,980	550	500
	7	rm			34.00	2,620	640	
50	19	rm	1.10	2.00	39.00	3,651	750	500
	19	rm			34.00	3,222	670	
70	19	sm	1.40	2.30	45.00	4,931	870	500
	19	rm			36.00	4,314	750	
120	37	sm	1.20	2.50	49.00	6,121	950	500
	37	rm			42.00	5,356	830	
150	37	rm	1.40	2.70	55.00	7,549	1,070	500
	37	sm			47.00	6,628	930	
185	37	rm	1.60	2.90	61.00	9,382	1,190	500
	37	sm			52.00	8,216	1,020	
240	61	rm	1.70	3.10	69.00	12,131	1,340	200
	37	sm			58.00	10,678	1,150	
300 (*)	61	rm	1.80	3.40	77.00	15,068	1,500	200
	37	sm			64.00	13,229	1,270	



ELECTRICAL DATA

Size	DC Resistance at 20°C		Current Carrying Capacity at 30°C		Conductor Short Circuit Current Capacity at:		
	Conductor Max.	Insulation Min.	In ground	In Air	0.5 sec	1.0 sec	1.0 sec
1.5	mm ²	mm	A	A	MA	MA	KA
	12.1	1,170	21	27	0.72	0.34	0.26
2.5	mm ²	mm	A	A	MA	MA	KA
	7.41	872	29	37	1.16	0.56	0.41
4	mm ²	mm	A	A	MA	MA	KA
	4.61	722	39	47	1.87	0.87	0.64
6	mm ²	mm	A	A	MA	MA	KA
	3.08	613	50	60	2.79	1.29	0.93
10	mm ²	mm	A	A	MA	MA	KA
	1.83	492	69	79	4.62	2.12	1.53
16	mm ²	mm	A	A	MA	MA	KA
	1.15	402	92	102	7.35	3.36	2.41
25	mm ²	mm	A	A	MA	MA	KA
	0.727	409	120	133	11.45	5.21	3.73
35	mm ²	mm	A	A	MA	MA	KA
	0.524	353	149	158	16.00	7.26	5.18
50	mm ²	mm	A	A	MA	MA	KA
	0.387	334	184	189	22.82	10.32	7.36
70	mm ²	mm	A	A	MA	MA	KA
	0.286	309	230	235	31.90	14.41	10.26
95	mm ²	mm	A	A	MA	MA	KA
	0.193	266	281	281	43.25	19.50	13.86
120	mm ²	mm	A	A	MA	MA	KA
	0.153	257	327	327	54.49	24.59	17.49
150	mm ²	mm	A	A	MA	MA	KA
	0.124	270	373	362	68.19	30.70	21.81
185	mm ²	mm	A	A	MA	MA	KA
	0.0991	275	425	407	84.06	37.82	26.96
240	mm ²	mm	A	A	MA	MA	KA
	0.0754	254	499	476	106.99	48.99	34.78
300	mm ²	mm	A	A	MA	MA	KA
	0.0601	241	534	534	136.17	61.18	43.41

NOTE :
 re : Solid Round Wire
 rm : Stranded Copper Non Compacted
 sm : Stranded Sector Shaped Compacted
 Insulation colour : Red, Yellow, Black, Blue
 Outer sheath colour : Black
 (*) For smaller or bigger Sizes, Please Contact Manufacturer

TABLE 6

N2XY - 0.6/1 kV (Copper Conductor, XLPE Insulated, PVC Sheathed) SPECIFICATION : IEC 502

5 CORES



DIMENSIONAL & MECHANICAL DATA

Size	No. of wires and size of conductor		Nominal Thickness		Approximatlly		Minimum Bending Diameter	Standard Delivery Length
	pcs	mm	Insulation	Outer Sheath	Overall Diameter	Net Weight		
1.5 (1)	1	1.0	0.70	1.80	14.00	265	220	1,000
	7	1.0			14.00	274	230	
	7	1.6			15.00	335	250	
2.5	7	1.6	0.70	1.80	15.00	355	260	1,000
	7	2.0			16.00	438	280	
4	7	2.0	0.70	1.80	17.00	467	290	1,000
	7	2.5			17.50	562	300	
6	7	2.5	0.70	1.80	18.50	598	330	1,000
	7	3.0			20.00	807	350	
10	7	3.0	0.70	1.80	21.00	863	340	1,000
	7	4.0			24.00	1,226	440	
25	7	4.0	0.90	1.90	29.00	1,843	530	1,000
	7	5.0			33.00	2,475	610	
35	7	5.0	0.90	1.90	33.00	2,475	610	1,000
	7	6.0			37.00	3,224	690	

ELECTRICAL DATA

Size	DC Resistance at 20°C		Current Carrying Capacity at 30°C			Conductor Short Circuit Current Capacity at :		
	Conductor Max	Insulation Min	In ground	In Air	0.1 sec	0.5 sec	1.0 sec	
1.5	Ω/km	MΩ	A	A	MA	MA	MA	
	12.1	1,170	21	27	0.72	0.34	0.26	
2.5	7.41	672	29	37	1.18	0.58	0.41	
	4.81	722	39	47	1.87	0.87	0.64	
4	3.08	613	50	60	2.79	1.29	0.93	
	1.83	482	69	79	4.62	2.12	1.53	
10	1.15	402	92	102	7.95	3.36	2.41	
	0.727	409	120	133	11.45	5.21	3.73	
25	0.524	353	149	158	16.00	7.26	5.18	
	0.387	334	184	189	22.82	10.32	7.36	

NOTE :
 1) Solid Round wire
 2) Stranded Circular Non-Compacted
 3) Insulation colour: Red, White, Black, Blue, Green
 4) Outer sheath colour: Black
 5) For smaller or bigger sizes, Please Contact Manufacturer



NZXBV 0.6/1(1.2) kV
SPLN 43-8/IEC 60502-1
 Copper conductor, XLPE insulated,
 double aluminium tape armoured and PVC sheathed cable

DIMENSIONAL & MECHANICAL DATA

Nominal cross-sectional area	No. of wire and conductor type	Insulation	Nominal Thickness			Approximately			Splicing sleeve length
			at tape armour	Outer Sheath	Inner Sheath diameter	Overall Diameter	Net weight kg/m	Bending diameter mm	
10	7	0.7	0.5	1.8	12/	18	474	320	1,000
16	7	0.7	0.5	1.8	12	18	512	340	1,000
25	7	0.9	0.5	1.8	12	18	569	360	1,000
35	7	0.9	0.5	1.8	13	18	634	380	1,000
50	19	1.0	0.5	1.8	13.5	20	779	420	1,000
70	19	1.1	0.5	1.8	15.5	22	1,024	460	1,000
95	19	1.1	0.5	1.8	17.6	24	1,314	540	1,000
120	37	1.2	0.5	1.8	19.4	26	1,588	590	1,000
150	37	1.4	0.5	1.8	21.4	28	1,900	640	1,000
185	37	1.4	0.5	1.9	23.7	31	2,324	710	1,000
240	61	1.7	0.5	2.0	26.8	34	2,953	790	1,000
300	61	1.8	0.5	2.1	29.4	37	3,672	870	1,000
400	61	2.0	0.5	2.1	32.9	41	4,523	970	500
500	61	2.2	0.5	2.4	36.7	45	5,615	1,070	500

1 Core

ELECTRICAL DATA

Nominal cross-sectional area	Resistance at 20 °C		Current Carrying Capacity at 30 °C			Short circuit current of conductor at 1 s
	DC conductor max. Insulation mm	μΩ/km	In MB	In DB/DBD	In	
10	1.83	496	91	112	112	1.53
16	1.15	408	99	122	122	2.41
25	0.727	413	137	143	156	3.73
35	0.534	353	161	168	181	5.16
50	0.382	314	201	198	218	7.36
70	0.286	309	250	243	267	10.26
95	0.193	266	311	293	322	13.68
120	0.153	257	368	332	367	17.49
150	0.124	270	423	376	416	21.89
185	0.0991	275	480	427	466	26.66
240	0.0754	254	590	485	515	34.78
300	0.0601	241	679	545	615	43.41
400	0.0470	237	824	645	703	57.79
500	0.0366	232	957	733	813	72.16

SUPREME

LOW VOLTAGE XLPE
INSULATED ARMOUR CABLES

N2XBV 0.6/1(1.2) kV
SPLN 43-8/IEC 60502-1
Copper conductor, XLPE insulated,
double galvanized steel tape armoured and PVC sheathed cable



DIMENSIONAL & MECHANICAL DATA

Nominal cross-sectional area mm ²	No. of wire and conductor shape	Nominal Thickness			Approximately		Standard delivery length m		
		Insulation	Steel tape armour	Outer Sheath	Inner Sheath diameter	Overall diameter		Net Weight kg/100m	
1.5	1	0.7	0.2	1.8	12	17	434	270	1,000
1.5	7	0.7	0.2	1.8	12	17	432	270	1,000
2.5	1	0.7	0.2	1.8	12	21	675	340	1,000
2.5	7	0.7	0.2	1.8	12	21	673	340	1,000
4	1	0.7	0.2	1.8	12	21	694	350	1,000
4	7	0.7	0.2	1.8	12	21	690	350	1,000
6	1	0.7	0.2	1.8	12	21	719	360	1,000
6	7	0.7	0.2	1.8	12	21	714	360	1,000
10	1	0.7	0.2	1.8	12	21	728	320	1,000
10	7	0.7	0.2	1.8	12	21	727	320	1,000
16	7	0.7	0.2	1.8	16	21	824	390	1,000
25	7	0.9	0.2	1.8	19.5	21	1,163	460	1,000
35	7	0.9	0.2	1.8	21.8	27	1,459	520	1,000
50	19	1.0	0.2	1.9	25	30	1,847	590	1,000
70	19	1.1	0.2	2.1	29	35	2,492	640	1,000
95	19	1.1	0.3	2.3	32.9	40	3,642	790	1,000
120	37	1.2	0.3	2.4	36.8	45	4,459	880	500
150	37	1.4	0.5	2.5	45.9	49	5,360	930	500

2 Corex

ELECTRICAL DATA

Nominal cross-sectional area mm ²	DC conductor max		Resistance at 20 °C		Current Carrying Capacity at 35 °C		Short circuit current of conductor at 1.0 sec
	DC conductor max	Insulation min	W/ km	W/ 1000m	W/ A	W/ (d.c.cable)	
1.5	13.1	1,170	31	24	31	24	0.26
2.5	7.41	960	41	32	41	32	0.41
4	4.61	810	54	43	54	43	0.64
6	3.08	600	68	54	68	54	0.83
10	1.83	550	89	75	89	75	1.33
16	1.15	402	116	102	116	102	2.41
25	0.727	409	153	137	153	137	3.73
35	0.524	353	182	179	182	179	5.16
50	0.387	334	213	205	213	205	7.36
70	0.288	309	261	261	261	261	10.26
95	0.193	266	318	318	318	318	13.88
120	0.153	257	363	363	363	363	17.49
150	0.124	230	403	426	403	426	21.81





N2XBY 0.6/1(1.2) kV
SPLN 43-8/IEC 60502-1
 Copper conductor, XLPE insulated,
 double galvanized steel tape armoured and PVC sheathed cable

DIMENSIONAL & MECHANICAL DATA

Nominal cross-sectional area mm ²	No of wire and conductor shape	Nominal Thickness		Approximate		Standard delivery length m
		Steel tape armour insulation	Outer Sheath	Overall Diameter	Net Weight kg/km	
1.5	1 PE	0.2	1.8	17	438	220 1,000
1.5	7 3x3	0.2	1.8	17	435	220 1,000
2.5	1 PE	0.2	1.8	21	683	240 1,000
2.5	7 3x3	0.2	1.8	21	679	244 1,000
4	1 PE	0.2	1.8	21	711	247 1,000
4	7 3x3	0.2	1.8	21	706	252 1,000
6	1 PE	0.2	1.8	21	751	315 1,000
6	7 3x3	0.2	1.8	21	747	309 1,000
10	1 PE	0.2	1.8	22	853	329 1,000
10	7 3x3	0.2	1.8	22	835	354 1,000
16	7 3x3	0.2	1.8	22	907	405 1,000
25	7 3x3	0.2	1.8	26	1,415	484 1,000
35	7 3x3	0.2	1.8	26	1,807	542 1,000
50	19 3x3	0.2	2.2	38	3,524	710 1,000
70	19 3x3	0.2	2.2	38	3,524	710 1,000
95	19 3x3	0.2	2.2	38	3,524	710 1,000
120	37 3x3	0.2	2.2	38	3,524	710 1,000
150	37 3x3	0.2	2.2	38	3,524	710 1,000
185	37 3x3	0.2	2.2	38	3,524	710 1,000
240	61 3x3	0.2	2.2	38	3,524	710 1,000
300	61 3x3	0.2	2.2	38	3,524	710 1,000
300	37 3x3	0.2	2.2	38	3,524	710 1,000

3 Core

ELECTRICAL DATA

Nominal cross-sectional area mm ²	Resistance at 20 °C		Current Carrying Capacity at 30 °C		Short circuit current of conductor at 1.0 sec kA
	DC conductor area	Insulation mΩ	In air	In GROUND	
1.5	12.1	1,170	27	21	0.28
2.5	7.41	900	29	37	0.41
4	4.61	820	38	47	0.64
6	3.08	700	50	60	0.93
10	1.83	560	69	79	1.53
16	1.15	410	101	91	2.41
25	0.727	400	132	119	3.73
35	0.524	360	156	148	5.16
50	0.387	340	187	182	7.36
70	0.268	410	233	228	10.24
95	0.193	360	278	278	13.68
120	0.153	330	324	324	17.49
150	0.124	360	358	367	21.81
185	0.0991	370	403	421	26.86
240	0.0754	350	471	484	34.78
300	0.0601	330	529	568	43.41



SUPREME

LOW VOLTAGE XLPE
INSULATED ARMOUR CABLES

N2XBY 0.6/1(1.2) KV
SPLN 43-8/IEC 60502-1
Copper conductor, XLPE insulated,
double galvanized steel tape armoured and PVC sheathed cable



DIMENSIONAL & MECHANICAL DATA

Nominal cross-sectional area mm ²	No of wires and conductor shape	Horizontal Thickness			Approximately		Standard delivery length m
		Insulation	Steel tape armour	Outer Sheath	Inner Sheath diameter	Overall Diameter	
1.5	1	0.7	0.2	1.8	12	17	270
1.5	7	0.7	0.2	1.8	12	17	270
2.5	1	0.7	0.2	1.8	12	17	270
2.5	7	0.7	0.2	1.8	12	17	270
4	1	0.7	0.2	1.8	12	17	270
4	7	0.7	0.2	1.8	12	17	270
6	1	0.7	0.2	1.8	12.3	17	270
6	7	0.7	0.2	1.8	12.3	17	270
10	1	0.7	0.2	1.8	13.4	19	300
10	7	0.7	0.2	1.8	14.7	20	340
16	7	0.7	0.2	1.8	15.9	21	370
16	7	0.7	0.2	1.8	16.7	24	440
25	7	0.8	0.2	1.9	23	28	520
35	7	0.9	0.2	2.0	25.8	31	590
50	19	1.0	0.2	2.1	29.6	35	670
70	19	1.1	0.3	2.3	34.6	42	750
70	19	1.1	0.3	2.3	36	46	890
95	19	1.1	0.3	2.3	39.5	48	950
95	19	1.1	0.3	2.3	33.6	41	800
120	37	1.2	0.3	2.7	44.1	43	880
120	37	1.2	0.3	2.7	44.1	43	880
150	37	1.4	0.5	2.8	49.2	58	1,100
150	37	1.4	0.5	2.8	41.8	50	7,440
185	37	1.6	0.5	3.0	55.1	65	10,472
185	37	1.6	0.5	3.0	46.4	55	9,150
240	61	1.7	0.5	3.3	62.8	73	13,439
240	37	1.7	0.5	2.9	52.1	61	11,697
300	61	1.8	0.5	3.6	69.6	81	16,511
300	37	1.8	0.5	3.1	57.5	67	14,385

4 Cores

ELECTRICAL DATA

Nominal cross-sectional area mm ²	Temperature at 30 °C		Current Carrying Capacity at 30 °C		Short circuit current of conductor at 1.0 sec
	DC conductor max	Insulation min	In AIR	In CAS/END	
1.5	0.9W	1,170	27	22	MA
1.5	12.1	1,170	27	22	0.26
2.5	7.41	980	29	37	0.61
4	4.61	820	29	47	0.64
6	3.08	700	50	60	0.93
10	1.83	560	69	79	1.53
16	1.15	410	101	91	2.41
25	0.777	420	112	119	3.73
35	0.524	360	156	148	5.16
50	0.387	340	187	182	7.36
70	0.288	410	231	228	10.26
95	0.193	360	278	270	13.68
120	0.151	310	324	324	17.49
150	0.124	340	350	364	21.81
185	0.0991	370	403	421	26.86
240	0.0754	350	471	494	34.78
300	0.0601	330	529	568	43.41





NZXBY 0.6/1(1.2) kV SPLN 43-8/IEC 60502-1

Copper conductor, XLPE insulated,
double galvanized steel tape armored and PVC sheathed cable

DIMENSIONAL & MECHANICAL DATA

Nominal cross- sectional area mm ²	No. of wires and conductor shape	Nominal Thickness			Approximate			Bending diameter mm	Standard delivery length m
		Insulation	Steel tape armor	Outer Sheath	Inner Sheath diameter	Overall Diameter	Net Weight kg/10m		
1.5	1 1#	0.7	0.2	1.8	12	17	400	270	1,000
1.5	7 1#	0.7	0.2	1.8	12	17	444	270	1,000
2.5	1 1#	0.7	0.2	1.8	12	17	460	280	1,000
2.5	7 1#	0.7	0.2	1.8	12	17	473	280	1,000
4	1 1#	0.7	0.2	1.8	12.4	18	554	290	1,000
4	7 1#	0.7	0.2	1.8	13.4	18	587	310	1,000
6	1 1#	0.7	0.2	1.8	14	19	697	320	1,000
6	7 1#	0.7	0.2	1.8	14.9	20	738	340	1,000
10	1 1#	0.7	0.2	1.8	16.3	21	832	380	1,000
10	7 1#	0.7	0.2	1.8	17.7	23	1,010	410	1,000
16	7 1#	0.7	0.2	1.8	20.6	26	1,308	470	1,000
25	7 1#	0.9	0.2	1.9	23.4	31	2,044	560	1,000
35	7 1#	0.9	0.2	2.1	26.6	34	2,649	630	1,000
50	10 1#	1.0	0.5	2.2	32.8	40	3,805	740	900

5 Cores

ELECTRICAL DATA

Nominal cross- sectional area mm ²	Resistance at 20 °C		Current Carrying Capacity at 30 °C		Short circuit current of conductor at 1.0 sec. kA
	DC conductor max. Ω/km	Insulation min. MΩ.km	In AIR A	In GROUND A	
1.5	12.1	1,170	27	21	0.26
2.5	7.41	980	29	37	0.41
4	4.61	820	39	47	0.64
6	3.08	700	50	60	0.89
10	1.83	560	69	79	1.53
16	1.15	410	101	91	2.41
25	0.727	420	132	119	3.73
35	0.524	360	156	148	5.46
50	0.387	340	187	182	7.36



N2XRGBY & N2XFGbY 0.6/1(1.2) kV
SPLN 43-7/IEC 60502-1

Copper conductor, XLPE insulated, galvanized round steel wire or flat steel wire armoured and PVC sheathed cable

DIMENSIONAL & MECHANICAL DATA

3 Cores

Nominal cross-sectional area	No of wires and conductor shape	Nominal Thickness			Approximately			Bending radius	Standard delivery length
		Insulation	Conductor armour	Outer Sheath	Inner Sheath diameter	Overall Diameter	Net weight		
mm ²	pcs	mm	mm	mm	mm	mm	kg/Km	mm	m
N2XRGBY									
1.5	1	0.7	1.0	1.8	8.2	15	391	210	1,000
1.5	7	0.7	1.0	1.8	8.5	15	407	340	1,000
2.5	1	0.7	1.0	1.8	9	16	454	250	1,000
2.5	7	0.7	1.0	1.8	9.6	16	480	260	1,000
4	1	0.7	1.0	1.8	10.1	17	538	270	1,000
4	7	0.7	1.0	1.8	10.7	17	570	290	1,000
6	1	0.7	1.0	1.8	11.1	18	634	300	1,000
6	7	0.7	1.0	1.8	11.9	18	676	310	1,000
10	1	0.7	1.0	1.8	12.8	19	814	330	1,000
10	7	0.7	1.0	1.8	13.8	20	871	360	1,000
N2XFGbY									
16	7	0.7	0.8	1.8	16.9	23	1,277	430	1,000
25	7	0.9	0.8	1.8	20.8	27	17,445	510	1,000
35	7	0.9	0.8	1.9	23.3	30	2,185	570	1,000
50	19	1.0	0.8	2.0	26.7	34	2,727	640	1,000
70	19	1.1	0.8	2.1	31.1	39	3,642	750	1,000
95	19	1.1	0.8	2.0	36.3	33	3,067	630	1,000
95	19	1.1	0.8	2.1	35.4	41	4,733	840	500
120	37	1.2	0.8	2.1	29.3	37	3,953	700	500
120	37	1.2	0.8	2.5	39.5	48	5,782	940	500
150	37	1.4	0.8	2.7	33.5	41	4,863	800	500
150	37	1.4	0.8	2.4	38.4	44	6,977	1,020	500
185	37	1.6	0.8	2.8	49.3	58	8,552	1,150	300
185	37	1.6	0.8	2.5	40.4	49	7,129	940	300
240	61	1.7	0.8	3.1	56.2	66	10,923	1,300	300
240	37	1.7	0.8	2.7	45.1	54	9,069	1,050	300
300	61	1.8	0.8	3.3	62.3	71	13,378	1,440	200
300	37	1.8	0.8	2.9	50	58	11,108	1,150	250

ELECTRICAL DATA

Nominal cross-sectional area	Resistance at 20 °C			Current Carrying Capacity at 30 °C			Short circuit current of conductor at 5.0 sec
	DC conductor max	Insulation min	AC 1kV	In AIR	In (GIC)60	In (GIC)90	
mm ²	Dk/m	MΩ.km	A	MA	MA	MA	KA
1.5	12.1	1,170	21	28	0.26	0.26	0.26
2.5	7.41	872	29	36	0.41	0.41	0.41
4	4.61	722	38	46	0.64	0.64	0.64
6	3.08	613	49	59	0.93	0.93	0.93
10	1.83	492	68	78	1.53	1.53	1.53
16	1.15	402	91	101	2.41	2.41	2.41
25	0.777	409	119	132	3.73	3.73	3.73
35	0.524	353	146	156	5.16	5.16	5.16
50	0.387	314	182	187	7.38	7.38	7.38
70	0.268	308	228	233	10.26	10.26	10.26
95	0.193	266	278	278	13.68	13.68	13.68
120	0.153	257	324	324	17.49	17.49	17.49
150	0.124	270	367	368	21.81	21.81	21.81
185	0.0991	275	421	403	26.06	26.06	26.06
240	0.0754	254	494	471	34.78	34.78	34.78
300	0.0601	241	568	529	43.41	43.41	43.41



SUPREME

LOW VOLTAGE XLPE
INSULATED ARMOUR CABLES

N2XRGbY & N2XFGbY 0.6/1(1.2) kV SPLN 43-7/IEC 60502-1

Copper conductor, XLPE insulated,
galvanized round steel wire or flat steel wire armoured and PVC sheathed cable



DIMENSIONAL & MECHANICAL DATA

No of core	No of wires and conductor shape	Insulation Thickness		Wire Size Thickness		Approximately			Bending clearance mm	Standard delivery length m
		Insulation mm	Galvanized wire profile mm	Outer Sheath mm	Inner Diameter of conductor mm	Overall Diameter mm	Net weight kg/ton			
PCS	PCS	-	-	-	-	-	-	-	-	-
N2XRGbY										
1.5	1	7F	0.7	1.0	1.8	7.8	14	366	230	1,000
1.5	7	7F	0.7	1.0	1.8	8.1	15	377	230	1,000
2.5	1	7F	0.7	1.0	1.8	8.5	15	416	240	1,000
2.5	7	7F	0.7	1.0	1.8	9	16	440	260	1,000
4	1	7F	0.7	1.0	1.8	9.5	16	483	230	1,000
4	7	7F	0.7	1.0	1.8	10.1	17	516	280	1,000
6	1	7F	0.7	1.0	1.8	10.4	17	540	290	1,000
6	7	7F	0.7	1.0	1.8	11.2	18	600	300	1,000
10	1	7F	0.7	1.0	1.8	12	19	705	320	1,000
10	7	7F	0.7	1.0	1.8	13	19	759	340	1,000
N2XFGbY										
16	7	7F	0.7	0.8	1.8	15.9	22	1,091	405	1,000
25	7	7F	0.9	0.8	1.8	19.5	26	1,469	490	1,000
35	7	7F	0.9	0.8	1.9	21.8	28	1,803	540	1,000
50	19	7F	1.0	0.8	2.0	24.9	32	2,345	610	1,000
70	19	7F	1.0	0.8	2.1	29	36	3,061	700	1,000
95	19	7F	1.1	0.8	2.3	32.9	41	3,778	790	500
120	37	7F	1.2	0.8	2.4	36.8	45	4,599	890	500
150	37	7F	1.4	0.8	2.5	40.9	49	5,318	980	500

Z Curves

ELECTRICAL DATA

No. of core	Resistance at 20 °C		Current Carrying Capacity at 30 °C		Short circuit current of conductor at 1.0 sec
	DC conductor mm ²	Insulation mm	In AIR	In GROUND	
PCS	Ohm	mΩ/km	A	kA	kA
1.5	12.1	1,170	24	31	0.26
2.5	7.41	872	32	40	0.41
4	4.61	722	43	53	0.64
6	3.06	613	54	67	0.91
10	1.83	492	75	88	1.53
16	1.15	402	102	116	2.41
25	0.727	409	137	153	3.73
35	0.524	353	109	182	5.16
50	0.387	334	206	213	7.26
70	0.286	309	281	261	10.26
95	0.193	266	313	318	13.65
120	0.153	257	363	363	17.49
150	0.124	270	426	403	21.81



SUPREME

LOW VOLTAGE XLPE
INSULATED ARMOUR CABLES



NZXRGBY & NZXFGBY 0.6/1(1.2) kV SPLN 43-7/IEC 60502-1

Copper conductor, XLPE insulated,
galvanized round steel wire or flat steel wire armoured and PVC sheathed cable

DIMENSIONAL & MECHANICAL DATA

Nominal cross-sectional area mm ²	No of wire and conductor shape	Nominal Thickness			Approximatively			Standard delivery length
		Insulation	Cable/steel wire armor	Outer Sheath	Inner Sheath diameter	Overall Diameter	Net weight	
	PCS		mm	mm	mm	kg/Km	mm	m
NZXRGBY								
1.5	1	0.7	1.0	1.8	9	15	433	240
1.5	7	0.7	1.0	1.8	9.3	16	450	250
2.5	1	0.7	1.0	1.8	9.9	16	507	260
2.5	7	0.7	1.0	1.8	10.5	17	535	280
4	1	0.7	1.0	1.8	11	18	607	290
4	7	0.7	1.0	1.8	11.8	18	647	300
6	1	0.7	1.0	1.8	12.2	19	726	310
6	7	0.7	1.0	1.8	13.1	20	774	300
10	1	0.7	1.0	1.8	14.1	21	955	350
10	7	0.7	1.0	1.8	14.9	22	1,010	390
NZXFGBY								
16	7	0.7	0.8	1.9	18.7	25	1,495	460
25	7	0.9	0.8	1.9	22.9	30	2,103	550
35	7	0.9	0.8	2.0	25.8	33	2,645	610
50	19	1.0	0.8	2.1	29.6	37	3,318	690
70	19	1.1	0.8	2.3	34.6	42	4,485	790
70	19	1.1	0.8	2.1	30	37	3,948	750
95	19	1.1	0.8	2.5	39.5	48	5,838	900
95	19	1.1	0.8	2.3	33.6	41	5,113	800
120	17	1.2	0.8	2.7	41.1	53	7,177	1,000
120	17	1.2	0.8	2.4	37.4	45	6,265	880
185	17	1.6	0.8	3.0	55.1	65	10,678	1,290
185	17	1.6	0.8	2.7	46.4	55	9,358	1,080
240	61	1.7	0.8	3.3	62.8	73	13,691	1,410
240	17	1.7	0.8	2.9	52.1	62	11,897	1,200
300	61	1.8	0.8	3.6	89.6	81	16,791	1,590
300	17	1.8	0.8	3.1	57.5	67	14,609	1,330

4 Cores

ELECTRICAL DATA

Nominal cross-sectional area mm ²	Resistance at 20 °C		Capacitance at 30 °C		Short circuit current of conductor at 1.0 sec
	DC conductor max	Insulation max	In AIR	In GROUND	
	Ω/Km	MΩ.Km	μA	μA	KA
1.5	12.1	1,170	21	28	0.26
2.5	7.41	872	29	36	0.41
4	4.61	722	38	46	0.64
6	3.06	613	49	59	0.93
10	1.83	492	68	78	1.53
16	1.15	402	91	101	2.41
25	0.727	409	119	132	3.73
35	0.524	353	148	156	5.16
50	0.387	324	182	187	7.36
70	0.268	309	228	233	10.26
95	0.193	266	278	278	13.69
120	0.153	257	324	304	17.49
150	0.124	275	367	358	21.81
185	0.0991	275	421	403	26.86
240	0.0754	254	494	471	34.78
300	0.0601	241	568	529	43.41





N2XRGBY & N2XFGbY 0.6/1(1.2) kV
SPLN 43-7/IEC 60502-1

Copper conductor, XLPE insulated, galvanized round steel wire or flat steel wire armoured and PVC sheathed cable

DIMENSIONAL & MECHANICAL DATA

5 Cores

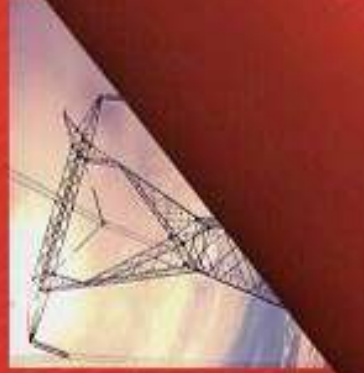
Nominal cross-sectional area mm ²	No of wire and conductor shape pcs	Nominal Thickness			Approximate			Bending diameter min mm	Standard delivery length m
		Insulation mm	Galvanized wire armour mm	Steel Sheath mm	Inner Sheath diameter mm	Overall diameter mm	Net weight kg/100m		
N2XRGBY									
1.5	1	re	1.0	1.8	9.8	16	401	260	1,000
2.5	7	rm	1.0	1.8	10.2	17	504	260	1,000
2.5	1	re	1.0	1.8	10.8	17	576	280	1,000
2.5	7	rm	1.0	1.8	11.5	18	606	290	1,000
4	1	re	1.0	1.8	12.1	19	666	300	1,000
4	7	rm	1.0	1.8	12.9	19	740	320	1,000
6	1	re	1.0	1.8	13.4	20	842	330	1,000
6	7	rm	1.0	1.8	14.4	21	898	350	1,000
N2XFGbY									
10	1	re	0.8	1.8	16.2	23	1,180	390	1,000
10	7	rm	0.8	1.8	17.5	24	1,262	410	1,000
16	7	rm	0.8	1.8	20.6	27	1,717	490	1,000
25	7	rm	0.8	2.0	25.4	32	2,405	590	1,000
35	7	rm	0.8	2.1	28.6	36	3,114	650	1,000
50	19	rm	1.0	2.3	32.8	40	3,945	730	500
70	19	rm	1.1	2.5	38.6	47	5,360	870	500

ELECTRICAL DATA

Nominal cross-sectional area mm ²	Resistance at 20 °C DC conductor resist		Resistance at 30 °C Insulation mm		Current Carrying Capacity at 30 °C In AIR		Short circuit current of conductor at 1.0 sec kA
	D/mm	MOhm	MOhm	In (kA)	In (kA)		
1.5	12.1	1,170			24	34	0.26
2.5	7.41	872			32	40	0.41
4	4.61	722			43	53	0.64
6	3.08	613			54	67	0.93
10	1.83	492			75	88	1.53
16	1.15	402			91	101	2.45
25	0.727	409			119	132	3.73
35	0.524	353			148	156	5.16
50	0.387	334			182	187	7.36
70	0.268	309			228	233	10.26

Medium Voltage Power Cables

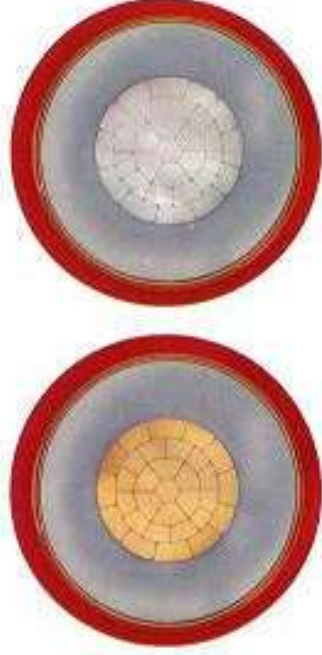
3 kV up to 30 kV



SUPRAREMME CABLES

CABLES

SUPRAREMME CABLES



N2XSY/NA2XSY

1.8/3(3.6) kV

IEC 60502-1

Copper/Aluminium conductor,
XLPE insulated,
Copper wire/ tape screened,
PVC sheathed cable

DIMENSIONAL AND ELECTRICAL DATA

Nominal cross-sectional area	1 CORE													
	25	35	50	70	95	120	150	185	240	300	400	500	630	800
Conductor diameter (approx)	6.05	7.1	8.25	9.9	11.7	13.1	14.3	16.3	18.2	20.9	23.7	26.6	30.3	34.2
Rounded insulation thickness	10.3	11.3	12.5	14.1	15.9	17.3	18.5	20.5	22.9	25.1	27.9	31.2	35.3	39.6
Insulation diameter (approx)	1.4	1.4	1.4	1.5	1.5	1.6	1.6	1.7	1.8	1.8	1.9	2.0	2.2	2.3
Nominal outer sheath thickness	13	14	15	17	19	21	22	24	27	29	32	35	39	44
Overall cable diameter (approx)	400	500	600	800	1,100	1,300	1,600	2,000	2,500	3,100	3,900	5,000	6,400	8,200
Cable net weight (approx)	200	250	300	400	500	600	700	800	1,000	1,200	1,500	1,900	2,400	3,100
Standard length per reel	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	500	500	500	500
Minimum bending radius	190	210	240	270	310	340	360	400	400	500	560	620	700	780
Max. DC conductor resistance at 20 °C	0.727	0.524	0.387	0.268	0.193	0.153	0.124	0.0991	0.0754	0.0601	0.0470	0.0366	0.0281	0.0221
Min. insulation resistance at 20 °C	1.20	0.848	0.641	0.443	0.320	0.253	0.206	0.164	0.125	0.100	0.0778	0.0605	0.0469	0.0347
Capacitance per phase	900	700	700	600	500	400	400	400	300	300	300	300	300	200
Inductance per phase	0.348	0.337	0.315	0.3	0.287	0.280	0.274	0.267	0.260	0.253	0.248	0.245	0.243	0.239
Max. short circuit current of conductor	1.75	5.18	7.56	10.26	13.88	17.49	21.81	26.86	34.78	43.41	57.79	72.16	90.83	115.23
Maximum current carrying capacity at 30 °C	2.49	3.45	4.89	6.81	9.19	11.58	14.43	17.76	22.08	28.67	38.14	47.60	59.90	75.96
AC test voltage	125	151	181	217	275	317	360	413	490	560	652	745	805	895
	191	231	277	345	418	481	538	613	717	812	902	1,007	1,069	1,210
	147	178	215	268	327	377	425	486	574	653	742	839	871	948
	191	180	211	258	308	349	390	440	508	570	639	719	781	832
	116	138	164	201	239	272	304	345	400	451	512	575	624	665
	172	204	239	291	344	388	424	474	541	602	680	775	820	873
	132	157	186	227	270	305	337	378	435	488	538	616	656	698



N2XSY/NA2XSY

3.6/6(7.2) kV

SPLN 43-5/IEC 60502-2

Copper/Aluminium conductor,
XLPE insulated,
with or without water sealing,
Copper wire/ tape screened,
PVC sheathed cable

DIMENSIONAL AND ELECTRICAL DATA

	1 CORE															
	25	35	50	70	95	120	150	185	240	300	400	500	630	800		
Minimal cross-sectional area	mm ²															
Conductor diameter (approx)	6.05	7.1	8.25	9.5	11.7	13.1	14.3	16.3	18.2	20.9	27.7	36.6	46.3	58.2		
Nominal insulation thickness	mm															
Insulation diameter (approx)	2.5															
Nominal outer sheath thickness	1.8															
Overall cable diameter (approx)	18.3	19.9	21.1	22.7	24.3	25.7	27.1	28.1	31.4	34.6	38.1	44.0	47.8	52.7		
Cable net weight (approx)	656	779	925	1,175	1,440	1,711	2,049	2,494	3,078	3,775	4,737	6,046	7,564	9,242		
Standard length per reel	490	548	620	725	813	922	1,054	1,218	1,407	1,767	2,168	2,720	3,316	3,921		
Minimum bonding radius	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	500	500	500	500		
Max. DC conductor resistance at 20 °C	0.727	0.524	0.387	0.358	0.313	0.253	0.214	0.199	0.1754	0.1601	0.1470	0.1366	0.1283	0.1221		
Min. insulation resistance at 20 °C	1.20	0.868	0.641	0.443	0.320	0.253	0.206	0.164	0.125	0.100	0.0778	0.0608	0.0469	0.0367		
Capacitance per phase	0.191	0.216	0.240	0.279	0.319	0.349	0.376	0.419	0.459	0.481	0.511	0.540	0.534	0.595		
Inductance per phase	0.409	0.391	0.372	0.353	0.333	0.313	0.316	0.306	0.295	0.289	0.283	0.278	0.279	0.279		
Max. short circuit current of conductor	3.73	5.18	7.36	10.26	13.88	17.49	21.81	26.86	34.78	43.41	57.79	71.16	90.83	115.21		
Max. short circuit current of screen	2.49	3.45	4.89	6.81	9.19	11.58	14.43	17.75	22.98	28.67	38.14	47.80	59.90	75.96		
Maximum current carrying capacity at 30 °C	161	194	233	291	303	406	499	536	620	728	814	920	1,006	1,118		
AC test voltage	12.5	15.6	19.5	20.6	26.5	30.4	31.5	37.6	43.4	48.8	55.8	65.0	74.3	80.3		



N2XSY/NA2XSY

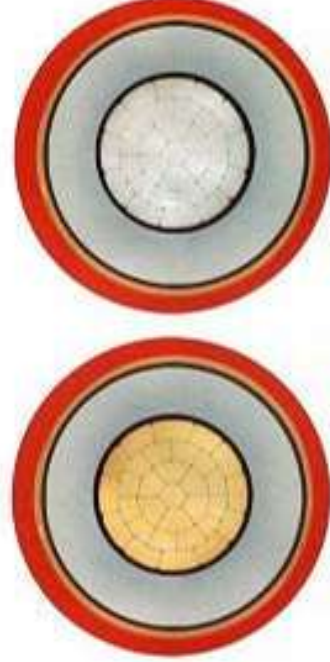
6/10(12) kV

SPLN 43-5/IEC 60502-2

Copper/Aluminium conductor,
XLPE insulated,
with or without water sealing,
Copper wire/tape screened,
PVC sheathed cable

DIMENSIONAL AND ELECTRICAL DATA

Nominal cross-sectional area	1 CORE													
	25	35	50	70	95	120	150	185	240	300	400	500	630	800
Conductor diameter (approx)	14.3	15.3	16.5	18.1	19.9	21.3	22.5	24.5	26.9	29.1	31.9	34.8	39.7	41.6
Nominal insulation thickness	1.8	1.8	1.7	1.7	1.8	1.8	1.9	1.9	2.0	2.1	2.2	2.3	2.4	2.5
Insulation diameter (approx)	20	21	22	24	26	28	29	31	34	36	39	42	48	52
Nominal outer sheath thickness	700	800	1,000	1,200	1,500	1,700	2,100	2,500	3,100	3,700	4,600	5,700	7,100	9,000
Overall cable diameter (approx)	900	900	1,000	1,200	1,500	1,700	2,100	2,500	3,100	3,700	4,600	5,700	7,100	9,000
Table net weight (approx)	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000
Standard length per reel	250	280	310	340	380	410	430	470	530	570	630	690	780	860
Minimum bending radius	0.727	0.727	0.727	0.727	0.727	0.727	0.727	0.727	0.727	0.727	0.727	0.727	0.727	0.727
Max. DC conductor resistance at 20 °C	1.20	0.894	0.641	0.441	0.325	0.233	0.164	0.125	0.090	0.066	0.047	0.035	0.026	0.021
Min. insulation resistance at 20 °C	1,500	1,000	800	600	400	300	200	150	100	70	50	35	25	20
Min. insulation resistance at 30 °C	1,100	750	550	400	280	200	150	100	70	50	35	25	18	14
Capacitance per phase	0.161	0.181	0.200	0.210	0.261	0.286	0.306	0.341	0.382	0.420	0.467	0.517	0.574	0.632
Inductance per phase	0.430	0.406	0.380	0.357	0.349	0.337	0.331	0.318	0.306	0.294	0.288	0.280	0.280	0.272
Max short circuit current of conductor	6,615	6,993	6,579	6,581	6,554	6,522	6,516	6,503	6,491	6,481	6,471	6,465	6,465	6,457
Max short circuit current of screen	3,71	5,18	7,18	10,26	13,88	17,49	21,03	26,86	34,78	43,41	57,79	72,16	90,83	115,23
Max short circuit current of screen	2,49	3,45	4,89	6,81	9,19	11,58	14,41	17,28	22,98	28,67	38,16	47,60	59,90	75,96
Max short circuit current of screen	2,36	2,75	2,92	2,96	2,80	2,68	2,55	2,426	2,30	2,19	2,11	2,03	1,96	1,90
Max short circuit current of screen	162	195	239	292	354	407	460	527	621	725	815	923	1,007	1,119
Max short circuit current of screen	125	151	181	217	275	317	359	412	483	553	631	744	804	884
Max short circuit current of screen	191	231	277	345	418	481	537	612	716	811	901	1,006	1,088	1,210
Max short circuit current of screen	147	178	215	268	327	377	424	485	571	652	741	818	871	948
Max short circuit current of screen	191	180	211	258	308	349	389	439	507	589	618	758	780	832
Max short circuit current of screen	146	138	164	201	235	272	303	344	399	450	511	574	623	664
Max short circuit current of screen	172	204	238	291	344	388	423	473	540	601	649	774	819	872
Max short circuit current of screen	132	197	186	227	270	305	336	377	434	487	537	615	653	698



N2XSY/NA2XSY

8.7/15(17.5) kV

SPLN 43-5/IEC 60502-2

Copper/Aluminium conductor,
XLPE insulated,
with or without water sealing,
Copper wire/tape screened,
PVC sheathed cable

DIMENSIONAL AND ELECTRICAL DATA

Nominal cross-sectional area	4.5														1 CORE		
	25	35	50	70	95	120	150	185	240	300	400	500	630	800			
Conductor diameter (approx)	6.05	7.1	8.25	9.9	11.7	13.1	14.3	16.3	18.2	20.9	23.2	26.6	30.1	34.2			
Nominal insulation thickness	16.5	17.5	18.7	20.1	22.1	23.5	24.7	25.7	26.3	27.1	28.1	29.2	30.3	31.3			
Insulation diameter (approx)	1.7	1.7	1.7	1.8	1.8	1.9	1.9	2.0	2.1	2.1	2.3	2.3	2.5	2.6			
Nominal outer sheath thickness	2.3	2.4	2.5	2.7	2.8	3.0	3.1	3.3	3.6	3.8	4.1	4.4	5.0	5.4			
Overall cable diameter (approx)	800	900	1,000	1,100	1,200	1,300	1,400	1,500	1,600	1,700	1,800	1,900	2,000	2,100			
Cable net weight (approx)	400	700	800	900	1,000	1,100	1,200	1,300	1,500	1,700	2,000	2,400	2,800	3,200			
Standard length per reel	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000			
Minimum bending radius	290	305	330	365	400	430	460	500	550	590	650	710	810	880			
Max. DC conductor resistance at 20 °C	0.727	0.524	0.387	0.268	0.193	0.153	0.124	0.0991	0.0754	0.0601	0.0475	0.0346	0.0281	0.0221			
Min. insulation resistance at 20 °C	1.20	0.868	0.641	0.443	0.320	0.253	0.206	0.164	0.125	0.100	0.0778	0.0605	0.0449	0.0347			
Capacitance per phase	1.300	1.200	1.100	1.000	900	800	700	700	600	400	300	300	300	400			
Inductance per phase	0.452	0.428	0.407	0.386	0.365	0.354	0.345	0.332	0.318	0.306	0.300	0.291	0.280	0.280			
Max. short circuit current of conductor	3.73	5.18	7.34	10.38	13.88	17.49	21.81	26.86	34.78	43.41	52.79	72.16	95.83	113.73			
Max. short circuit current of screen	2.49	3.45	4.89	6.81	9.19	11.58	14.43	17.76	22.58	28.67	38.14	47.60	59.90	73.96			
Maximum current capacity at 30 °C	2.92	2.48	2.43	2.85	3.09	3.28	4.29	4.62	4.82	4.31	5.85	8.31	5.82	6.34			
Maximum current capacity in air	162	199	238	296	338	413	466	532	627	753	819	927	1,009	1,121			
Maximum current capacity in ground	125	155	184	229	278	320	363	415	493	583	652	748	806	896			
Max. short circuit current of conductor	191	233	279	347	420	483	540	614	718	813	904	1,011	1,090	1,201			
Max. short circuit current of screen	147	180	217	285	338	378	425	485	513	577	647	720	782	854			
Max. short circuit current of conductor	151	181	214	282	332	373	419	445	513	577	647	720	782	854			
Max. short circuit current of screen	116	139	166	203	242	276	307	348	404	455	517	576	625	666			
Max. short circuit current of conductor	172	205	240	302	347	381	427	478	546	608	659	718	776	821			
Max. short circuit current of screen	132	158	187	228	271	307	339	365	439	491	543	617	671	701			



N2XSY/NA2XSY
12/20(24) kV
SPLN 43-5/IEC 60502-2

Copper/Aluminium conductor, XLPE insulated,
with or without water sealing,
Copper wire/tape screened,
PVC sheathed cable

DIMENSIONAL AND ELECTRICAL DATA

	35	50	70	95	120	150	185	240	300	400	500	630	800
Nominal cross-sectional area	mm ²	7.1	8.25	9.9	11.7	13.1	14.3	15.3	18.3	20.9	23.7	26.6	30.3
Conductor diameter (approx)	mm	19.7	20.9	22.5	24.3	25.7	26.9	28.9	31.3	33.5	36.3	39.2	44.1
Nominal insulation thickness	mm	1.8	1.8	1.9	2.0	2.0	2.1	2.1	2.1	2.2	2.3	2.4	2.6
Insulation diameter (approx)	mm	26	27	29	31	32	34	36	38	40	44	47	51
Nominal outer sheath thickness	mm	1000	1,200	1,400	1,700	2,000	2,300	2,700	33	40	4,900	6,100	7,700
Overall cable diameter (approx)	mm	800	900	1,050	1,100	1,300	1,400	1,600	1,800	2,100	2,500	3,000	3,700
Cable net weight (approx)	Kg/Km	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	500	500	500
Standard length per reel	m	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	500	500	500	500
Minimum bending radius	mm	330	350	390	420	490	480	520	570	610	670	710	830
Max. DC conductor resistance at 20 °C	Ω/Km	0.324	0.387	0.268	0.193	0.153	0.124	0.0991	0.0754	0.0601	0.0470	0.0366	0.0221
Min. insulation resistance at 20 °C	MΩ/Km	0.868	0.641	0.443	0.320	0.253	0.206	0.164	0.125	0.100	0.0778	0.0605	0.0469
Capacitance per phase	μF/Km	1,400	1,300	1,100	1,000	900	800	700	700	700	600	600	500
Inductance per phase	mH/Km	0.136	0.149	0.169	0.190	0.210	0.220	0.243	0.270	0.294	0.326	0.358	0.410
Max. short circuit current of conductor	kA/sec	0.467	0.436	0.403	0.382	0.368	0.359	0.345	0.330	0.310	0.300	0.293	0.294
Max. short circuit current of screen	kA/sec	0.632	0.611	0.598	0.566	0.553	0.544	0.510	0.515	0.505	0.495	0.486	0.479
Maximum current carrying capacity at 30 °C	A	5.18	7.38	10.26	13.88	17.49	21.81	26.86	34.78	43.41	52.79	72.16	90.81
in air		3.45	4.99	6.81	9.19	11.38	14.43	17.76	22.98	28.67	38.14	47.60	59.90
in ground		2.77	2.92	3.14	3.38	3.57	3.66	3.99	4.31	4.60	6.21	6.69	7.41
AC test voltage	kV/3 min	199	238	296	378	412	466	532	627	715	819	927	1,029
		195	194	229	278	320	363	415	493	63	652	746	806
		233	279	347	420	485	540	614	718	813	904	1,011	1,090
		180	217	290	338	378	425	485	513	652	740	838	873
		181	214	262	312	353	394	445	513	577	647	720	782
		139	165	3	242	276	307	348	404	455	517	576	625
		205	240	292	347	391	427	478	546	608	659	726	821
		158	187	228	271	307	339	380	439	491	548	617	701

40, (85C1, 30 (SPLN))



N2XRY/NA2XRY

1.8/3(3.6) kV

IEC 60502-1

Copper/Aluminium conductor,
XLPE insulated, Aluminium wire armoured,
PVC sheathed cable

DIMENSIONAL AND ELECTRICAL DATA

Nominal cross-sectional area	1 CORE															
	25	35	50	70	95	120	150	185	240	300	400	500	630	800		
Conductor diameter (approx)	6.05	7.1	8.25	9.9	11.7	13.1	14.3	16.3	18.2	20.9	23.7	26.6	30.3	34.2		
Nominal insulation thickness	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.1	2.1	2.1		
Insulation diameter (approx)	10.3	11.3	12.3	14.1	15.9	17.3	18.5	20.5	22.9	25.3	27.9	31.2	35.3	39.6		
Diameter of armour wires	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6		
Nominal outer sheath thickness	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8		
Overall cable diameter (approx)	23	24	25	27	28	30	31	33	36	39	42	46	53	59		
Cable net weight (approx)	709	800	1,000	1,200	1,500	1,700	2,000	2,400	3,000	3,600	4,700	6,000	7,500	9,600		
Standard length per reel	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,500	1,900	2,200	2,700	3,000	4,500		
Minimum bending radius	260	280	300	340	380	400	420	46	520	570	630	700	780	880		
Max. DC conductor resistance	0.727	0.524	0.387	0.268	0.193	0.153	0.124	0.0991	0.0794	0.0601	0.0470	0.0364	0.0283	0.0221		
at 20 °C	1.20	0.868	0.641	0.443	0.320	0.253	0.206	0.164	0.125	0.100	0.0778	0.0605	0.0469	0.0367		
Min. tripping resistance at 20 °C	900	700	700	600	500	400	400	400	500	500	500	500	500	500		
Capacitance per phase	0.261	0.299	0.334	0.393	0.467	0.499	0.539	0.606	0.685	0.758	0.851	0.971	1.109	1.247		
Inductance per phase	0.420	0.469	0.505	0.566	0.646	0.633	0.623	0.711	0.702	0.797	0.886	0.989	1.081	1.200		
Max. short circuit current of conductor	0.613	0.59	0.570	0.591	0.531	0.518	0.506	0.495	0.487	0.582	0.473	0.474	0.465	0.465		
	3.73	5.18	7.36	10.26	13.88	17.49	21.81	26.86	34.78	41.41	57.76	72.16	90.83	115.23		
	249	3.45	4.89	6.81	9.19	11.58	14.43	17.76	22.98	28.67	38.14	47.60	59.90	75.96		
Maximum current carrying capacity	160	193	231	289	350	403	466	523	616	723	808	913	948	1,109		
in air	123	148	179	215	272	314	356	409	485	554	645	737	797	886		
in ground	189	229	274	341	414	476	532	607	710	804	893	997	1,078	1,198		
at 30 °C	145	176	213	265	324	373	421	481	568	646	734	830	862	958		
at 20 °C	149	178	209	255	305	345	386	441	503	581	644	732	773	874		
at 10 °C	115	136	162	199	236	269	301	341	396	446	507	569	618	658		
at 5 °C	170	202	236	288	340	384	420	469	535	596	643	707	717	812		
at 0 °C	190	225	264	323	382	420	463	510	582	643	707	749	787	896		



N2XSRY/NA2XSRY

3.6/6(7.2) kV

IEC 60502-2

Copper/Aluminium conductor,
XLPE insulated, Copper wire/tape screened,
Aluminium wire armoured,
PVC sheathed cable

DIMENSIONAL AND ELECTRICAL DATA

Nominal cross-sectional area	1 CORE														
	25	35	50	70	95	120	150	185	240	300	400	500	630	800	
Conductor diameter (approx)	9.05	7.1	8.25	9.9	11.7	13.3	14.3	16.3	18.2	20.9	23.7	26.6	30.3	34.2	
Nominal insulation thickness	2.5														
Insulation diameter (approx)	12.5	13.5	14.7	16.3	18.1	19.3	20.7	22.7	24.8	27.9	31.9	36.0	39.7	43.2	
Diameter of armour wire	1.6	1.6	1.6	1.6	1.6	1.6	1.6	2.0	2.0	2.0	2.0	2.5	2.5	3.15	
Nominal outer sheath thickness	1.8	1.8	1.8	1.8	1.9	2.0	2.0	2.1	2.2	2.2	2.4	2.5	2.7	2.8	
Overall cable diameter (approx)	25	26	27	29	30	32	33	36	39	42	47	50	58	63	
Cable net weight (approx)	5000	1100	1,500	1,500	1,900	2,200	2,500	3,000	3,700	4,400	5,600	6,800	8,300	10,700	
Standard length per-coil	800	900	1,000	1,000	1,300	1,400	1,700	190	2,200	2,200	3,100	3,200	4,300	5,600	
Minimum breaking radius	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	500	500	500	
Max. DC conductor resistance	0.377	0.324	0.287	0.248	0.193	0.153	0.134	0.0991	0.0754	0.0601	0.0470	0.0364	0.0283	0.0221	
at 20 °C	1.20	0.868	0.641	0.443	0.320	0.253	0.206	0.164	0.123	0.100	0.0778	0.0605	0.0469	0.0367	
Min. insulation resistance at 20 °C	900	800	700	600	500	500	500	400	400	400	400	300	300	300	
Capacitance per phase	0.191	0.216	0.240	0.279	0.318	0.349	0.376	0.479	0.409	0.481	0.511	0.540	0.534	0.595	
Inductance per phase	0.472	0.448	0.426	0.404	0.377	0.367	0.356	0.347	0.338	0.328	0.325	0.315	0.318	0.308	
Max. short circuit current of conductor	3.73	5.18	7.38	10.26	13.88	17.49	21.81	26.86	34.78	43.41	57.79	72.16	90.83	119.23	
Max. short circuit current of screen	2.49	3.45	4.89	6.81	9.19	11.58	14.43	17.76	22.98	28.67	38.14	47.60	59.90	79.94	
Minimum current carrying capacity at 30 °C	139	192	231	288	349	402	454	521	614	721	806	911	996	1,107	
In air	122	148	178	214	271	313	354	407	483	552	643	735	795	884	
Under ground	185	228	273	340	413	475	530	605	708	802	891	995	1,076	1,197	
In ground	145	175	218	264	323	372	419	479	566	644	732	828	861	957	
AC test voltage	148	177	208	254	304	344	384	444	511	562	630	710	771	823	
	114	185	191	198	225	268	299	319	344	444	505	568	618	656	
	168	201	225	287	338	383	418	467	533	595	641	766	810	862	
	156	154	183	224	268	301	331	372	429	481	530	608	647	696	



N2XSRY/NA2XSRY

6/10(12) kV

IEC 60502-2

Copper/Aluminium conductor,
XLPE insulated, Copper wire/tape screened,
Aluminium wire armoured,
PVC sheathed cable

DIMENSIONAL AND ELECTRICAL DATA

Neutral cross-sectional area	1 CORE															
	25	35	50	70	95	117	132	150	185	240	300	400	500	630	800	
Conductor diameter (approx)	8.05	7.1	8.25	9.9	11.7	13.1	14.3	16.3	18.2	20.9	23.7	26.6	30.3	34.2		
Conductor diameter (approx)	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm		
Insulation thickness (approx)	14.3	15.3	16.5	18.1	19.9	21.3	22.5	24.5	26.9	29.1	31.9	34.8	39.7	43.6		
Insulation diameter (approx)	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm		
Diameter of armor wire	1.6	1.6	1.6	1.6	1.6	2.0	2.0	2.0	2.0	2.5	2.5	2.5	2.5	3.15		
Normal outer sheath thickness	1.8	1.8	1.9	1.9	2.0	2.0	2.1	2.1	2.2	2.3	2.4	2.5	2.7	2.8		
Overall cable diameter (approx)	27	28	29	30	32	34	36	38	41	44	47	50	58	62		
Cable net weight (approx)	1,100	1,350	1,400	1,700	2,000	2,300	2,700	3,200	3,800	4,600	5,600	6,800	8,900	10,800		
Standard length per reel	900	1,000	1,100	1,200	1,400	1,600	1,800	2,000	2,300	2,600	3,100	4,000	4,800	5,700		
Minimum bending radius	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm		
Max. DC conductor resistance at 20 °C	CU	0.727	0.534	0.387	0.268	0.193	0.153	0.124	0.0991	0.0754	0.0601	0.0470	0.0366	0.0281		
AL	1.20	0.868	0.641	0.443	0.320	0.253	0.206	0.164	0.125	0.100	0.0778	0.0625	0.0485	0.0367		
Min. insulation resistance at 20 °C	MO/km	1,100	1,000	900	800	700	600	600	500	500	400	400	300	300		
Capacitance per phase	µF/km	0.161	0.181	0.200	0.230	0.261	0.286	0.306	0.341	0.382	0.420	0.467	0.517	0.572		
Inductance per phase	mH/km	0.468	0.463	0.440	0.410	0.390	0.379	0.373	0.358	0.346	0.337	0.336	0.315	0.313		
Max. short circuit current of conductor	CU	0.673	0.640	0.625	0.595	0.575	0.564	0.558	0.543	0.530	0.522	0.510	0.500	0.503		
AL	3.71	5.18	7.34	10.26	13.88	17.49	21.81	26.36	34.78	43.41	57.79	72.16	90.83	115.23		
Max. short circuit current of screen	AL	2.49	3.45	4.89	6.81	9.15	11.58	14.43	17.28	22.98	28.57	38.14	47.60	59.90		
In air	CU	2.56	2.73	2.92	2.94	2.80	2.98	3.03	4.26	4.66	4.02	5.48	5.96	5.93		
Maximum current carrying capacity at 30 °C	AL	160	193	231	289	350	403	455	522	615	722	807	912	997		
ground	CU	124	149	179	215	272	314	355	408	484	553	644	736	796		
AC test voltage	AL	89	109	134	161	204	247	290	343	406	479	562	644	707		
	CU	95	116	141	171	216	260	303	356	420	493	576	660	724		
	AL	149	178	213	265	324	373	420	480	567	645	733	830	892		
	CU	115	136	162	199	236	289	340	395	465	506	568	617	657		
	AL	170	202	236	288	340	384	419	468	534	595	642	705	763		
	CU	130	155	184	225	267	302	332	373	430	482	531	609	648		

**SUPREME
MEDIUM VOLTAGE
POWER CABLES**

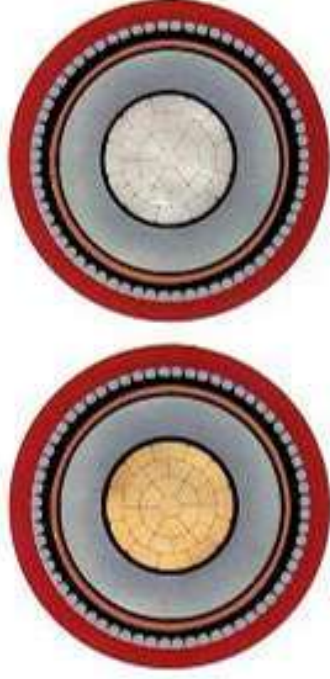


N2XSRY/NA2XSRY
8.7/15(17.5) kV
IEC 60502-2

Copper/Aluminium conductor,
XLPE insulated, Copper wire/tape screened,
Aluminium wire armoured,
PVC sheathed cable

DIMENSIONAL AND ELECTRICAL DATA

	1 CORE															
	25	35	50	70	95	120	150	185	240	300	400	500	630	800		
Nominal cross-sectional area	mm ²	6.25	7.1	8.25	9.9	11.7	14.3	16.3	18.2	20.9	23.7	26.6	30.3	34.2		
Nominal diameter (approx)	mm	16.5	17.5	18.7	20.3	22.1	24.7	25.7	28.1	31.3	34.1	37.0	41.9	45.8		
Nominal insulation thickness	mm	1.6	1.6	1.6	1.6	2.0	2.0	2.0	2.0	2.5	2.5	2.5	2.5	3.15		
Insulation diameter (approx)	mm	1.9	1.9	1.9	2.0	2.1	2.1	2.2	2.2	2.3	2.4	2.7	2.8	2.9		
Diameter of armour wire	mm	29	30	31	33	36	37	39	41	44	47	50	54	65		
Overall cable diameter (approx)	mm	1.300	1.400	1.500	1.600	1.700	1.800	1.900	2.000	2.100	2.200	2.300	2.400	2.500		
Cable net weight (approx)	Kg/Km	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000		
Standard length per reel	m	300	370	300	430	480	500	530	570	630	680	740	810	960		
Minimum bending radius	mm	0.727	0.524	0.387	0.248	0.193	0.153	0.124	0.0991	0.0754	0.0601	0.0470	0.0366	0.0221		
Max. DC conductor resistance at 20 °C	Ω/Km	1.20	0.868	0.641	0.443	0.320	0.253	0.206	0.164	0.125	0.100	0.0778	0.0605	0.0469		
Min. insulation resistance at 20 °C	MΩ.Km	1.300	1.300	1.100	1.000	900	800	700	700	600	600	500	400	400		
Capacitance per phase	µF/Km	0.138	0.154	0.170	0.193	0.218	0.238	0.254	0.281	0.314	0.344	0.382	0.421	0.478		
Inductance per phase	mH/Km	0.502	0.477	0.453	0.429	0.413	0.396	0.389	0.373	0.360	0.351	0.338	0.330	0.317		
Max. short circuit current of conductor	KA/sec	3.73	5.18	7.36	10.26	13.88	17.49	21.81	26.86	34.78	43.41	52.79	72.16	90.53		
Max. short circuit current of screen	KA/sec	2.49	3.45	4.89	6.81	9.19	11.98	14.43	17.76	22.98	28.67	38.14	47.60	59.90		
Maximum current carrying capacity at 30 °C	A	199	230	276	343	416	478	514	568	645	711	805	895	1,001		
In ground	A	145	178	215	259	309	349	390	440	508	571	640	714	806		
Under ground	A	115	137	164	201	239	273	304	346	400	450	512	570	619		
AC test voltage	KV/5 min	170	203	237	289	343	387	423	473	540	602	682	768	813		
		130	156	185	226	268	304	335	376	454	537	611	660	694		



N2XSRY/NA2XSRY

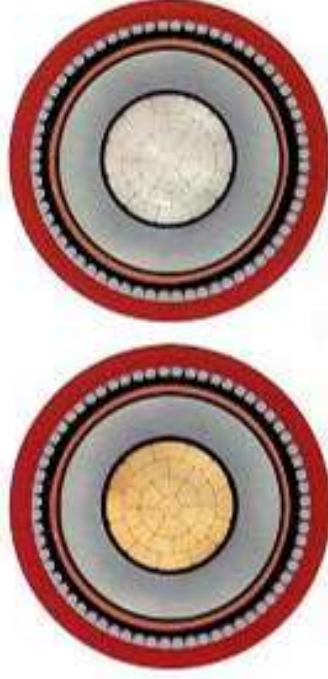
12/20(24) kV

IEC 60502-2

Copper/Aluminium conductor,
XLPE insulated, Copper wire/tape screened,
Aluminium wire armoured,
PVC sheathed cable

DIMENSIONAL AND ELECTRICAL DATA

	mm ²	1 CORE												
		35	50	70	95	117	143	183	240	300	400	500	630	800
Nominal cross-sectional area		35	50	70	95	117	143	183	240	300	400	500	630	800
Conductor diameter (approx)	mm	7.1	8.25	9.9	11.7	14.3	18.3	24.0	30.0	40.0	50.0	63.0	80.0	
Nominal insulation thickness	mm	19.7	20.9	22.5	24.3	25.7	26.9	28.9	31.3	33.5	36.3	39.2	44.1	48.0
Insulation diameter (approx)	mm	1.6	2.0	2.0	2.0	2.0	2.0	2.0	2.5	2.5	3.15	3.15	3.15	4.0
Diameter of armour wire	mm	2	2.0	2.1	2.1	2.2	2.2	2.3	2.4	2.5	2.8	2.7	2.8	3.0
Nominal outer sheath thickness	mm	32	33	36	38	39	41	44	47	49	54	57	63	69
Overall cable diameter (approx)	mm	1,200	1,500	1,800	2,000	2,400	2,800	3,200	3,900	4,500	5,600	6,700	8,500	10,400
Cable net weight (approx)	Kg/Km	1,200	1,400	1,600	1,700	1,900	2,100	2,400	2,700	3,000	3,700	4,300	5,200	5,900
Standard length (per reel)	m	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	500	500	500	500
Minimum bending radius	mm	300	400	450	470	500	530	570	630	670	730	790	880	970
Max. DC conductor resistance at 20 °C	Ω/Km	0.524	0.387	0.268	0.193	0.153	0.124	0.0991	0.0754	0.0601	0.0470	0.0366	0.0283	0.0221
Min. insulation resistance at 20 °C	MΩ/Km	0.866	0.641	0.443	0.320	0.253	0.206	0.164	0.125	0.100	0.0778	0.0605	0.0469	0.0367
Capacitance per phase	µF/Km	1.400	1.300	1.100	1.000	900	800	800	700	700	600	500	400	400
Inductance per phase	mH/Km	0.156	0.149	0.149	0.190	0.206	0.220	0.243	0.270	0.294	0.326	0.358	0.370	0.410
Max. short circuit current of conductor	KA/Sec	0.490	0.468	0.447	0.424	0.407	0.399	0.387	0.373	0.359	0.353	0.341	0.335	0.329
Max. short circuit current of screen	KA/Sec	0.675	0.601	0.632	0.609	0.592	0.584	0.572	0.558	0.544	0.538	0.526	0.520	0.514
Maximum current carrying capacity at 30 °C	A	5.18	7.36	10.26	13.88	17.49	21.81	26.86	34.78	41.41	57.79	72.16	90.83	115.23
AC test voltage	kV/5 min	3.45	4.89	6.85	9.19	11.58	14.43	17.76	22.95	28.67	38.14	47.60	59.90	75.96
		2.77	2.92	3.14	3.38	3.57	4.66	3.99	4.31	4.60	6.21	6.89	7.01	7.43
		197	275	393	354	408	461	527	621	708	811	945	999	1,110
		153	182	227	275	317	379	411	498	537	645	738	798	887
		230	276	343	416	478	534	608	711	805	895	1,001	1,079	1,200
		179	215	237	325	344	421	480	508	645	732	830	864	960
		137	164	201	239	273	304	344	400	450	512	520	619	659
		23	237	289	343	387	423	473	540	602	652	768	813	865
		156	185	226	268	304	335	378	434	485	537	611	650	694



N2XSRY/NA2XSRY

18/30(36) kV

IEC 60502-2

Copper/Aluminium conductor,
XLPE insulated, Copper wire/tape screened,
Aluminium wire armoured, PVC sheathed cable

DIMENSIONAL AND ELECTRICAL DATA

Nominal cross-sectional area	mm ²	S.D													1 CORE		
		50	70	95	120	150	185	240	300	400	500	630	800	1000	1200	1500	
Conductor diameter (approx)	mm	8.25	9.9	11.7	13.1	14.3	15.3	18.2	20.9	23.7	26.6	30.3	34.2				
Nominal insulation thickness	mm	25.9	27.5	29.3	30.7	31.9	31.9	38.3	38.5	41.3	44.2	49.1	53.0				
Insulation diameter (approx)	mm	2.0	2.0	2.5	2.5	2.5	2.5	2.5	3.15	3.15	3.15	4.0	4.0				
Diameter of armour wire	mm	2.2	2.3	2.4	2.4	2.5	2.6	2.7	2.7	2.8	2.9	3.1	3.2				
Minimal outer sheath thickness	mm	40	41	44	46	47	49	51	56	59	62	70	75				
Overall cable diameter (approx)	mm	2,200	2,500	3,000	3,100	3,700	4,200	4,900	5,900	6,900	8,200	10,300	12,400				
Cable net weight (approx)	Kg/Km	1,900	2,100	2,300	2,600	2,800	3,000	3,600	4,000	4,500	5,100	6,500	7,400				
Standard length per reel	m	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	500	500	500	500				
Minimum bending radius	mm	400	510	560	590	610	650	710	770	830	890	1,000	1,090				
Max. DC conductor resistance at 20 °C	Ω/Km	0.387	0.268	0.193	0.153	0.124	0.0991	0.0754	0.0601	0.0470	0.0366	0.0281	0.0221				
Min. insulation resistance at 20 °C	MΩ.Km	0.641	0.443	0.320	0.253	0.206	0.164	0.125	0.100	0.0778	0.0605	0.0469	0.0367				
Capacitance per phase	µF/Km	1.600	1.200	1.000	1.200	1.200	1.100	1.000	900	800	700	600	600				
Inductance per phase	mH/Km	0.121	0.136	0.151	0.163	0.173	0.190	0.209	0.227	0.250	0.274	0.288	0.317				
Max short circuit current of conductor	KA/SEC	0.504	0.473	0.453	0.440	0.427	0.409	0.393	0.386	0.371	0.358	0.356	0.348				
Max short circuit current of screen	KA/SEC	0.699	0.658	0.638	0.625	0.611	0.594	0.578	0.571	0.556	0.543	0.541	0.530				
Maximum current carrying capacity at 30 °C	KA/SEC	7.36	10.26	13.88	17.49	21.81	26.86	34.78	43.41	57.79	72.16	90.83	115.23				
AC test voltage	KV/5 min	4.89	6.81	9.19	11.58	14.43	17.76	22.98	28.67	38.14	47.60	59.90	75.96				
		3.59	3.81	4.04	4.23	4.39	4.66	4.97	5.26	5.64	6.02	6.28	7.29				
		2.95	2.95	3.58	4.12	4.64	5.30	6.24	7.10	8.15	9.30	1,000	1,111				
		185	230	278	320	361	414	489	568	647	739	799	888				
		276	344	417	478	535	609	711	804	895	1,001	1,080	1,201				
		215	267	325	374	421	480	566	642	729	828	865	961				
		215	262	313	354	394	444	514	579	641	714	775	816				
		166	203	243	275	308	347	405	455	513	571	630	660				
		238	291	344	390	427	478	547	609	653	770	814	866				
		186	226	270	306	337	380	438	490	538	612	651	695				



N2XSY/NA2XSY

1.8/3(3.6) kV

IEC 60502-1

Copper/Aluminium conductor,
XLPE insulated, Copper wire/tape screened,
PVC sheathed cable

DIMENSIONAL AND ELECTRICAL DATA

Nominal cross-sectional area	3 CORES											
	25	35	50	70	95	120	150	185	240	300	400	
Conductor diameter (approx)	6.05	7.1	8.25	9.9	11.7	13.5	16.3	18.2	20.9	27.7		
Nominal insulation thickness	mm					2.0						
Insulation diameter (approx)	10.3	11.3	12.5	14.1	15.9	17.3	18.5	20.5	22.9	25.1	27.9	
Nominal outer sheath thickness	mm	1.9	2.0	2.1	2.2	2.1	2.4	2.5	2.7	2.8	3.1	
Overall cable diameter (approx)	mm	28	30	31	37	41	44	47	51	57	69	
Cable net weight (approx)	CU	1400	1800	2300	3000	3900	4800	5700	7000	8900	11000	
	AL	950	1100	1400	1700	2100	2500	2900	3500	4300	5300	
Standard length per reel	#	500	500	500	500	500	500	500	500	500	500	
Minimum bending radius	mm	260	280	310	350	400	450	460	510	570	700	
Max. DC conductor resistance at 20 °C	CU	0.727	0.524	0.387	0.268	0.193	0.153	0.124	0.0995	0.0734	0.0601	
	AL	1.20	0.868	0.641	0.443	0.320	0.253	0.206	0.164	0.125	0.100	
Min. insulation resistance at 20 °C	CU	900	700	700	600	500	400	400	400	300	300	
	AL	0.261	0.259	0.334	0.393	0.493	0.499	0.539	0.606	0.685	0.758	
Capacitance per phase	nF/km	0.295	0.282	0.272	0.259	0.250	0.244	0.240	0.229	0.225	0.221	
Inductance per phase	CU	3.73	5.18	7.36	10.26	13.88	17.49	21.81	26.86	34.78	43.41	
	AL	2.49	3.45	4.89	6.81	9.19	11.58	14.43	17.76	22.98	28.67	
Maximum current carrying capacity at 30 °C	In air	CU	134	175	207	258	315	392	413	473	557	
	In ground	AL	103	133	160	200	241	280	317	363	424	
AC test voltage	CU	133	172	203	247	297	317	309	408	487	557	
	AL	102	131	156	192	230	261	294	333	388	416	



N2XSEY/NA2XSEY

3.6/6(7.2) kV

SPLN 43-5/IEC 60502-2

Copper/Aluminium conductor,
XLPE insulated,
with or without water sealing,
Copper wire/tape screened,
PVC sheathed cable

DIMENSIONAL AND ELECTRICAL DATA

	mm ²	25	35	50	70	95	120	150	185	240	300	400
		Nominal cross-sectional area	6.05	7.1	8.25	9.9	11.7	13.1	14.3	16.3	18.2	20.9
Conductor diameter (approx)	mm	12.5	13.5	14.7	16.3	18.1	19.5	20.7	22.7	24.8	27.9	31.9
Nominal insulation thickness	mm	1.5	1.6	1.6	1.7	1.7	1.8	1.8	1.9	1.9	2.0	2.1
Insulation diameter (approx)	mm	37	39	42	48	50	53	56	60	66	72	80
Nominal outer sheath thickness	mm	2.100	2.300	3.000	3.800	4.800	5.800	6.700	8.100	10.200	12.500	15.600
Overall cable diameter (approx)	mm	1.600	1.800	2.100	2.500	3.000	3.500	3.900	4.600	5.600	6.700	8.200
Cable net weight (approx)	Kg/Km	500	500	500	500	500	500	500	500	500	500	350
Standard length per reel	m	300	350	380	420	460	500	500	500	640	700	750
Minimum bending radius	mm	0.727	0.524	0.387	0.268	0.193	0.153	0.124	0.0991	0.0754	0.0601	0.0470
Max. DC conductor resistance at 20 °C	Ω/Km	1.20	0.868	0.641	0.443	0.320	0.253	0.206	0.164	0.125	0.100	0.0778
Min. insulation resistance at 20 °C	MΩ.Km	900	800	700	600	500	500	500	400	400	400	400
Capacitance per phase	µF/90m	0.191	0.216	0.240	0.279	0.318	0.349	0.376	0.419	0.459	0.481	0.511
Inductance per phase	mH/km	0.322	0.308	0.298	0.284	0.273	0.266	0.261	0.254	0.249	0.246	0.243
Max. short circuit current of conductor	KA/sec	3.73	5.18	7.36	10.26	13.88	17.49	21.81	26.86	34.78	43.41	57.79
Max. short circuit current of screen	KA/sec	2.49	3.45	4.89	6.81	9.19	11.56	14.43	17.76	22.98	28.67	38.34
Maximum current carrying capacity at 30 °C	A	134	175	207	258	315	362	413	473	557	663	795
AC test voltage	kV/5 min	103	133	160	200	241	280	317	363	474	484	597
		133	172	203	247	297	337	379	428	497	507	628
		102	131	156	192	230	261	294	333	388	416	498

12.5 (IEC) / 9 (SPLN)

3 CORES



N2XSEY/NA2XSEY

6/10(12) kV

SPLN 43-5/IEC 60502-2

Copper/Aluminium conductor,
XLPE insulated, with or without water sealing,
Copper wire/tape screened,
PVC sheathed cable

DIMENSIONAL AND ELECTRICAL DATA

	mm ²	25	35	50	70	95	120	150	185	240	300	400
		6.05	7.1	8.25	9.9	11.7	13.1	14.3	16.3	18.2	20.9	23.7
Nominal cross-sectional area												
Conductor diameter (approx)	mm	14.3	15.3	16.5	18.1	19.9	21.3	22.5	24.5	26.9	29.1	31.9
Nominal insulation thickness	mm	1.5	1.5	1.7	1.7	1.8	1.8	1.9	1.9	2.0	2.1	2.2
Insulation diameter (approx)	mm	41	43	46	50	54	57	60	64	70	75	81
Nominal outer sheath thickness	mm											
Overall cable diameter (approx)	mm	2,400	2,800	3,400	4,200	5,300	6,200	7,200	8,600	10,700	129,000	15,000
Cable net weight (approx)	Kg/Km	1,900	2,200	250	2,900	3,400	3,900	4,400	5,100	6,100	7,100	8,500
Standard length per reel	m	500	500	500	500	500	500	500	500	500	500	350
Minimum loading radius	mm	350	380	410	450	490	530	560	600	670	730	790
Max. DC conductor resistance	Ω/Km	0.727	0.524	0.387	0.268	0.193	0.153	0.124	0.0991	0.0754	0.0601	0.0470
at 20 °C	AL	1.20	0.868	0.641	0.443	0.320	0.253	0.206	0.164	0.125	0.100	0.0778
Min. insulation resistance at 20 °C	MΩ.Km	1,100	1,000	900	800	700	600	600	500	500	400	400
Capacitance per phase	µF/Km	0.161	0.181	0.200	0.230	0.261	0.286	0.306	0.341	0.382	0.400	0.467
Inductance per phase	mH/km	0.346	0.331	0.319	0.303	0.291	0.283	0.277	0.269	0.260	0.254	0.248
Max. short circuit current of conductor	CU	3.73	5.18	7.36	10.26	13.88	17.49	21.81	26.86	34.78	43.41	57.79
Max. short circuit current of screen	AL	2.49	3.45	4.89	6.81	9.19	11.58	14.43	17.26	22.98	28.67	38.14
Max. short circuit current of screen carrying capacity	CU	2.15	2.61	2.77	3.00	3.25	3.44	3.61	3.89	4.23	4.53	4.92
in air	AL	135	175	208	259	315	363	414	474	558	634	766
in ground	CU	1.4	134	161	201	242	281	318	364	425	485	598
AC test voltage	KV/5 min	103	132	157	193	231	262	295	334	389	458	499

3 CORES

21 (IEC) , 15 (SPLN)



N2XSEY/NA2XSEY

8.7/15(17.5) kV

SPLN 43-5/IEC 60502-2

Copper/Aluminium conductor,
XLPE insulated, with or without water sealing,
Copper wire/tape screened,
PVC sheathed cable

DIMENSIONAL AND ELECTRICAL DATA

	3 CORES											
	25	35	50	70	95	120	150	185	240	300	400	
Nominal cross-sectional area	mm ²	6.05	7.1	8.25	9.9	11.7	13.1	14.3	16.3	18.2	21.7	
Conductor diameter (approx)	mm	16.5	17.5	18.7	20.3	22.1	23.5	24.7	25.7	29.1	34.1	
Nominal insulation thickness	mm	1.7	1.7	1.7	1.8	1.8	1.9	1.9	2.0	2.1	2.1	
Insulation diameter (approx)	mm	46	48	51	55	59	62	65	69	75	80	
Nominal outer sheath thickness	mm	2.50	3.80	4.00	5.30	6.40	7.40	8.50	10.00	12.00	14.40	
Overall cable diameter (approx)	mm	2.40	2.60	3.00	3.40	4.00	4.50	5.00	5.80	6.80	7.90	
Cable net weight (approx)	Kg/Km	500	500	500	500	500	500	500	500	350	350	
Standard length per reel	m	390	410	440	490	530	560	600	640	700	830	
Minimum bending radius	mm	0.727	0.524	0.387	0.268	0.193	0.153	0.124	0.0991	0.0754	0.0470	
Max. DC conductor resistance at 20 °C	Ω/Km	1.20	0.868	0.641	0.443	0.320	0.253	0.206	0.164	0.125	0.100	
Min. insulation resistance at 20 °C	MΩ.Km	1.300	1.200	1.100	1.000	900	800	700	700	600	500	
Capacitance per phase	µF/Km	0.118	0.154	0.170	0.193	0.218	0.238	0.254	0.281	0.314	0.344	
Inductance per phase	mH/Km	0.372	0.355	0.341	0.324	0.310	0.301	0.294	0.285	0.275	0.268	
Max. short circuit current of conductor	KA/sec	3.73	5.18	7.38	10.26	13.88	17.49	21.81	26.86	34.78	43.41	
Max. short circuit current of screen	KA/sec	2.49	3.45	4.89	6.81	9.19	11.58	14.43	17.76	22.98	28.67	
Maximum current carrying capacity at 30 °C in air	A	135	175	208	259	316	363	414	473	558	635	
Maximum current carrying capacity at 30 °C in ground	A	1.4	140	162	206	247	285	322	368	429	486	
AC test voltage	kV/5 min	133	173	204	248	298	348	380	429	497	559	
		103	133	155	188	225	257	286	324	376	418	
							30.5 (IEC) , 22 (BSU)					



N2XSEY/NA2XSEY

12/20(24) kV

SPLN 43-5/IEC 60502-2

Copper/Aluminium conductor,
XLPE insulated, with or without water sealing,
Copper wire/tape screened,
PVC sheathed cable

DIMENSIONAL AND ELECTRICAL DATA

Nominal cross-sectional area	mm ²	3 CORES											
		35	50	70	95	120	150	185	240	300	400		
Conductor diameter (approx)	mm	7.1	8.25	9.9	11.7	13.1	14.3	16.3	18.2	20.9	23.7		
Nominal insulation thickness	mm	19.7	20.9	22.5	24.3	25.7	26.9	28.9	31.3	33.5	36.3		
Insulation diameter (approx)	mm	1.8	1.8	1.9	1.9	2.0	2.0	2.1	2.1	2.2	2.3		
Nominal outer sheath thickness	mm	5.3	5.6	6.0	6.4	6.7	7.0	7.5	8.0	8.5	9.1		
Overall cable diameter (approx)	mm	1.400	1.300	1.100	1.000	900	900	860	700	700	400		
Cable net weight (approx)	Kg/Km	0.136	0.149	0.169	0.190	0.206	0.220	0.243	0.270	0.294	0.326		
Standard length per reel	m	500	500	500	500	350	350	350	350	350	300		
Minimum bending radius	mm	450	480	520	570	600	630	690	740	790	860		
Max. DC conductor resistance at 20 °C	Ω/Km	0.324	0.387	0.268	0.193	0.153	0.124	0.0991	0.0754	0.0601	0.0470		
Min. insulation resistance at 20 °C	MΩ.Km	0.868	0.641	0.443	0.320	0.233	0.206	0.164	0.125	0.100	0.0778		
Capacitance per phase	µF/Km	1.400	1.300	1.100	1.000	900	900	800	700	700	600		
Inductance per phase	mH/Km	0.136	0.149	0.169	0.190	0.206	0.220	0.243	0.270	0.294	0.326		
Max. short circuit current of conductor	KA/Sec	0.393	0.374	0.353	0.335	0.323	0.315	0.303	0.292	0.28	0.274		
Max. short circuit current of screen	KA/Sec	5.18	7.36	10.26	13.88	17.49	21.81	26.86	34.78	43.41	57.79		
Maximum current carrying	A	3.45	4.89	6.81	9.19	11.58	14.43	17.76	22.98	28.67	38.14		
Maximum current capacity at 30 °C	A	2.77	2.92	3.14	3.38	3.57	4.66	3.99	4.31	4.60	6.21		
AC test voltage	kV/5 mm	175	208	259	316	364	414	474	558	635	767		
		140	163	201	244	283	321	368	429	485	599		
		173	204	248	298	338	380	429	497	559	651		
		133	155	193	230	263	295	334	389	44	500		



N2XSEY/NA2XSEY

18/30(36) kV

IEC 60502-2

Copper/Aluminium conductor,
XLPE insulated, Copper wire/tape screened,
PVC sheathed cable

DIMENSIONAL AND ELECTRICAL DATA

	mm ²	50	70	95	120	150	185	240	300	400
		mm	mm	mm	mm	mm	mm	mm	mm	mm
Nominal cross-sectional area		8.25	9.9	11.7	13.1	14.3	16.3	18.2	20.9	23.7
Conductor diameter (approx)						8.0				
Nominal insulation thickness		25.9	27.5	29.3	30.7	31.9	33.9	36.3	38.5	41.3
Insulation diameter (approx)		2.0	2.0	2.1	2.1	2.2	2.2	2.3	2.4	2.5
Nominal outer sheath thickness		68	71	75	79	81	86	91	97	103
Overall cable diameter (approx)										
Cable net weight (approx)	CU	5.800	6.800	8.000	9.000	10.100	11.800	14.000	16.500	19.700
	AL	4.900	5.500	6.100	6.700	7.300	8.300	9.400	10.700	12.300
Standard length per reel		500	920	950	100	110	120	130	150	100
Minimum bending radius		760	810	870	920	950	100	110	120	130
Max. DC conductor resistance	CU	0.387	0.268	0.193	0.153	0.124	0.0991	0.0754	0.0601	0.0470
at 20 °C	AL	0.641	0.443	0.320	0.253	0.206	0.164	0.125	0.100	0.0778
Min. insulation resistance at 20 °C		1.600	1.500	1.300	1.200	1.200	1.100	1.000	900	800
Capacitance per phase		0.121	0.136	0.151	0.163	0.173	0.190	0.209	0.227	0.250
Inductance per phase		0.402	0.381	0.363	0.352	0.343	0.330	0.317	0.308	0.297
Max. short circuit current of conductor	CU	7.36	10.26	13.88	17.49	21.81	26.86	34.78	43.41	57.79
	AL	4.89	6.81	9.19	11.58	14.43	17.76	22.98	28.67	38.14
Max. short circuit current of screen		3.77	4.00	4.25	4.45	4.62	4.9	5.59	5.54	5.93
Maximum current carrying capacity at 30 °C	CU	209	260	317	364	415	475	599	636	760
	AL	164	207	248	286	323	368	480	487	600
capacity at 30 °C	CU	205	249	299	339	381	430	498	560	632
	AL	156	189	226	258	287	325	377	419	501
AC test voltage						6.3				

3 CORES



N2XBY/NA2XBY

1.8/3(3.6) kV

IEC 60502-1

Copper/Aluminium conductor,
XLPE insulated, Galvanized double
steel tape armoured,
PVC sheathed cable

DIMENSIONAL AND ELECTRICAL DATA

		mm ²	25	35	50	70	95	120	150	185	240	300	400
			mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm
Nominal cross-sectional area			6.05	7.1	8.25	9.9	11.7	13.1	14.3	16.3	18.2	20.9	23.7
Conductor diameter (approx)			10.3	11.3	12.5	14.1	15.9	17.3	18.5	20.5	22.9	25.1	27.9
Nominal insulation thickness			0.2	0.2	0.2	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5
Insulation diameter (approx)			1.8	1.9	2.0	2.2	2.3	2.4	2.5	2.6	2.8	3.0	3.2
Nominal tape armour thickness			29	32	34	38	44	47	50	55	60	66	72
Nominal outer sheath thickness													
Overall cable diameter (approx)			1.600	2.000	2.500	3.700	4.700	5.600	6.600	8.000	10.100	12.400	15.300
Cable net weight (approx)	CU	Kg/Km	1.200	1.400	1.600	2.400	2.900	3.400	3.900	4.500	5.500	6.600	8.000
	AL	Kg/Km	500	500	500	500	500	500	500	500	500	500	500
Standard length per reel		m	240	290	320	370	420	450	480	540	590	650	710
Minimum bending radius		mm	0.727	0.524	0.387	0.268	0.193	0.153	0.124	0.0991	0.0754	0.0601	0.0470
Max. DC conductor resistance	CU	Ω/Km	1.20	0.868	0.641	0.443	0.320	0.253	0.206	0.164	0.125	0.100	0.0778
	AL	MΩ/Km	900	700	700	600	500	400	400	400	300	300	300
Min. insulation resistance at 20 °C		μF/Km	0.261	0.299	0.334	0.393	0.453	0.499	0.539	0.606	0.685	0.758	0.851
Capacitance per phase		mH/m	0.295	0.282	0.272	0.259	0.250	0.244	0.240	0.234	0.229	0.225	0.221
Inductance per phase		μF/Km	3.73	5.18	7.36	10.26	13.88	17.49	21.81	26.86	34.78	43.41	57.79
Max short circuit current of conductor	CU	kA/sec	2.49	3.45	4.89	6.81	9.19	11.58	14.43	17.76	22.98	28.67	38.14
	AL	kA/sec	133	172	205	256	312	359	409	468	552	627	758
Maximum current carrying capacity at 30 °C	CU	A	102	132	159	198	239	277	314	360	420	479	591
	AL	A	132	170	201	245	294	334	375	424	492	5552	633
AC test voltage		kV/5 min	101	130	155	190	228	259	291	330	384	412	493

3 CORES



N2XSEBY/NA2XSEYBY

3.6/6(7.2) kV

SPLN 43-5/IEC 60502-2

Copper/Aluminium conductor, XLPE insulated,
with or without water sealing,
Copper wire/tape screened,
Galvanized double steel tape armoured,
PVC sheathed cable

DIMENSIONAL AND ELECTRICAL DATA

Nominal cross-sectional area	mm ²	25	35	50	70	95	120	150	185	240	300	400
		Conductor diameter (approx)	6.05	7.1	8.25	9.9	11.7	13.1	14.3	16.3	18.2	20.9
Nominal insulation thickness	mm	2.5										
Insulation diameter (approx)	mm	12.5	13.5	14.7	16.3	18.1	19.5	20.7	22.7	24.8	27.9	31.9
Nominal tape armour thickness	mm	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.8
Nominal outer sheath thickness	mm	2.2	2.3	2.4	2.5	2.6	2.7	2.8	2.9	3.1	3.3	3.6
Overall cable diameter (approx)	mm	39	42	45	49	53	53	59	64	70	76	85
Cable net weight (approx)	CU	2,800	3,200	3,800	4,700	5,800	6,800	7,900	9,400	11,700	14,100	18,300
	AL	2,300	2,600	2,900	3,400	4,000	4,600	5,100	5,900	7,000	8,300	10,900
Standard length per reel	m	500	500	500	500	500	500	500	500	350	350	350
Minimum bending radius	mm	340	370	400	440	490	520	550	600	670	730	820
Max. DC conductor resistance at 20 °C	Ω/Km	0.727	0.524	0.387	0.268	0.193	0.153	0.124	0.0991	0.0754	0.0601	0.0470
Min. insulation resistance at 20 °C	MΩ.Km	1.20	0.866	0.641	0.443	0.320	0.253	0.206	0.164	0.125	0.100	0.0778
Capacitance per phase	µF/Km	900	800	700	600	500	500	500	400	400	400	400
Inductance per phase	mH/km	0.191	0.216	0.240	0.279	0.318	0.349	0.376	0.419	0.459	0.481	0.511
Max.short circuit current of conductor	kA/sec	3.73	5.18	7.36	10.26	13.88	17.49	21.81	26.86	34.78	43.41	57.79
Max.short circuit current of screen	kA/sec	2.49	3.45	4.89	6.81	9.19	11.58	14.43	17.76	22.98	28.67	38.14
Maximum current carrying capacity	in air	139	172	205	256	312	359	409	468	552	627	758
	in ground	102	132	159	198	239	277	314	360	420	479	591
AC test voltage	CU	132	170	201	245	294	334	375	424	492	552	623
	AL	101	130	155	190	228	259	291	330	384	412	493

12.5 (IEC), 9 (SPLN)

3 CORES



N2XSEBY/NA2XSEYBY

6/10(12) kV

SPLN 43-5/IEC 60502-2

Copper/Aluminium conductor,
XLPE insulated, with or without water sealing,
Copper wire/tape screened,
Galvanized double steel tape armoured,
PVC sheathed cable

DIMENSIONAL AND ELECTRICAL DATA

Nominal cross-sectional area (Conductor diameter (approx))	25		35		50		70		95		120		150		185		240		300		400	
	mm ²	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm
Conductor diameter (approx)	6.05	7.1	8.25	9.9	11.7	13.1	14.3	16.3	18.2	20.9	23.7	3.4										
Nominal insulation thickness	14.3	15.3	16.5	18.1	19.9	21.3	22.5	24.5	26.9	29.1	31.9	3.4										
Insulation diameter (approx)	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.8	0.5										
Nominal tape armour thickness	2.3	2.4	2.5	2.6	2.8	2.9	3.0	3.1	3.3	3.4	3.7	3.1										
Nominal outer sheath thickness	44	46	49	53	57	61	64	68	74	79	87	68										
Overall cable diameter (approx)	3,200	3,700	4,300	5,200	6,400	7,400	8,500	10,000	12,100	14,500	18,700	10,000										
Cable net weight (approx)	CU	2,700	3,000	3,400	3,900	4,600	5,200	5,700	6,500	7,600	8,800	6,500										
	AL	500	500	500	500	500	500	500	500	500	500	500										
Standard length per reel	mm	380	400	430	470	520	560	590	630	700	750	630										
	m	0.727	0.524	0.387	0.268	0.193	0.153	0.124	0.0991	0.0754	0.0601	0.0400										
Max. DC conductor resistance at 20 °C	CU	1.20	0.868	0.641	0.443	0.320	0.253	0.206	0.164	0.125	0.100	0.0778										
Min. insulation resistance at 20 °C	AL	1,100	1,000	900	800	700	600	600	500	500	400	500										
Capacitance per phase		0.161	0.181	0.200	0.230	0.261	0.286	0.306	0.341	0.382	0.420	0.467										
Inductance per phase		0.346	0.331	0.319	0.303	0.291	0.283	0.277	0.269	0.260	0.254	0.248										
Max. short circuit current of conductor	CU	3.73	5.18	7.36	10.26	13.88	17.49	21.81	26.86	34.78	43.41	57.79										
Max. short circuit current of screen	AL	2.49	3.45	4.89	6.81	9.19	11.58	14.43	17.26	22.98	28.67	38.14										
Maximum current carrying capacity in air	CU	134	173	206	257	313	360	410	469	553	628	789										
Maximum current carrying capacity in ground	AL	103	133	160	199	240	278	315	321	421	480	592										
AC test voltage	CU	133	171	202	246	295	335	376	425	493	553	624										
	AL	102	131	156	191	229	260	292	331	385	413	494										
												21 (IEC) , 15 (SPLN)										

3 CORES



N2XSEBY/NA2XSEYBY

8.7/15(17.5) kV

SPLN 43-5 / IEC 60502-2

Copper/Aluminium conductor, XLPE insulated,
with or without water sealing,
Copper wire/tape screened,
Galvanized double steel tape armoured,
PVC sheathed cable

DIMENSIONAL AND ELECTRICAL DATA

Nominal cross-sectional area	mm ²	25	35	50	70	95	120	150	185	240	300	400	
		Conductor diameter (approx)	6.05	7.1	8.25	9.9	11.7	13.1	14.3	16.3	18.2	20.9	23.7
Nominal insulation thickness	mm	16.5	17.5	18.7	20.3	22.1	23.5	24.7	25.7	29.1	31.3	34.1	
Insulation thickness (approx)	mm	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.8	0.8	
Nominal tape armour thickness	mm	2.5	2.6	2.7	2.8	2.9	3.0	3.1	3.3	3.4	3.6	3.9	
Nominal outer sheath thickness	mm	49	51	54	58	62	66	69	74	79	86	93	
Overall cable diameter (approx)	mm	3,800	4,300	4,900	5,900	7,100	8,100	9,200	10,900	13,100	16,400	19,700	
Cable net weight (approx)	Kg/Km	3,300	3,600	4,000	4,600	5,300	5,900	6,400	7,400	8,500	10,600	12,300	
Standard length per reel	m	500	500	500	500	500	500	350	350	350	350	350	
Minimum bending radius	mm	410	440	470	510	550	590	630	680	780	800	880	
Max. DC conductor resistance	Ω/Km	0.727	0.524	0.387	0.268	0.193	0.153	0.124	0.0991	0.0754	0.0601	0.0470	
AL	Ω/Km	1.20	0.868	0.641	0.443	0.320	0.253	0.206	0.164	0.125	0.100	0.0778	
Min. insulation resistance at 20 °C	MΩ.Km	1,300	1,200	1,100	1,000	900	800	700	600	600	600	500	
Capacitance per phase	µF/Km	0.138	0.154	0.170	0.193	0.218	0.238	0.254	0.281	0.314	0.344	0.382	
Inductance per phase	mH/Km	0.372	0.355	0.341	0.324	0.310	0.301	0.294	0.285	0.275	0.268	0.261	
Max short circuit current of conductor	kA/sec	3.73	5.18	7.36	10.26	13.88	17.49	21.81	26.86	34.78	43.41	57.79	
AL	kA/sec	2.49	3.45	4.89	6.81	9.19	11.58	14.43	17.76	22.98	28.67	38.14	
Max short circuit current of screen	kA/sec	2.46	2.61	2.77	3.00	3.25	3.44	3.61	3.89	4.23	4.53	4.92	
CU	kA/sec	1.34	1.73	2.06	2.57	3.13	3.60	4.10	4.69	5.53	6.29	7.60	
AL	kA/sec	1.03	1.19	1.41	1.61	1.84	2.04	2.28	2.54	2.81	3.05	3.35	
Maximum current carrying capacity at 30 °C	A	132	171	202	246	295	335	376	425	492	554	625	
CU	A	102	132	154	186	223	255	283	321	372	414	495	
AL	A	102	132	154	186	223	255	283	321	372	414	495	
AC test voltage	kV/5 min	30.5 (IEC) , 22 (SPLN)											

3 CORES



N2XSEBY/NA2XSEYBY

12/20(24) kV

SPLN 43-5/IEC 60502-2

Copper/Aluminium conductor, XLPE insulated,
with or without water sealing,
Copper wire/tape screened,
Galvanized double steel tape armoured,
PVC sheathed cable

DIMENSIONAL AND ELECTRICAL DATA

Nominal cross-sectional area	3 CORES											
	35	50	70	95	120	150	185	240	300	400		
Conductor diameter (approx)	7.1	8.25	9.9	11.7	13.1	14.3	16.3	18.2	20.9	23.7		
Nominal insulation thickness	5.5											
Insulation diameter (approx)	19.7	20.9	22.5	24.3	25.7	26.9	28.9	31.3	33.5	36.3		
Nominal tape armour thickness	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.8	0.8	0.8		
Nominal outer sheath thickness	2.7	2.9	3.0	3.1	3.2	3.3	3.4	3.6	3.8	4.0		
Overall cable diameter (approx)	57	60	64	68	71	74	79	86	91	98		
Cable net weight (l approx)	CU	4,900	5,600	6,600	7,800	8,900	10,100	11,700	14,900	17,400	20,800	
	AL	4,200	4,700	5,300	6,000	6,600	7,200	8,200	10,200	11,600	13,400	
Standard length per reel	m	500	500	500	500	350	350	300	300	300	300	
	mm	480	510	550	600	630	660	720	790	840	910	
Max. DC conductor resistance at 20 °C	CU	0.524	0.387	0.268	0.193	0.153	0.124	0.0991	0.0754	0.0601	0.0470	
	AL	0.868	0.641	0.443	0.320	0.253	0.206	0.164	0.125	0.100	0.0778	
Min. insulation resistance at 20 °C		1,400	1,300	1,100	1,000	900	900	800	700	600		
Capacitance per phase		0.136	0.149	0.169	0.190	0.206	0.220	0.243	0.270	0.294	0.326	
Inductance per phase		0.377	0.362	0.344	0.328	0.318	0.310	0.300	0.289	0.281	0.273	
Max. short circuit current of conductor	CU	5.18	7.36	10.26	13.88	17.49	21.81	26.86	34.78	43.41	57.79	
	AL	3.45	4.89	6.81	9.19	11.58	14.43	17.76	22.98	28.67	38.14	
Max. short circuit current of screen	CU	2.77	2.92	3.14	3.38	3.57	4.66	3.99	4.31	4.60	6.21	
	AL	1.73	2.06	2.57	3.13	3.60	4.10	4.69	5.53	6.29	7.60	
Maximum current carrying capacity at 30 °C	in air	139	161	199	242	280	318	365	425	481	593	
	in ground	171	202	246	295	335	376	425	492	554	625	
AC test voltage	AL	132	154	191	228	260	292	331	385	437	495	



N2XSEBY/NA2XSEYBY

18/30(36) kV

IEC 60502-2

Copper/Aluminium conductor,
XLPE insulated, Copper wire/tape screened,
Galvanized double steel tape armoured,
PVC sheathed cable

DIMENSIONAL AND ELECTRICAL DATA

Nominal cross-sectional area	mm ²	3 CORES									
		50	70	95	120	150	185	240	300	400	
Conductor diameter (approx)	mm	8.25	9.9	11.7	13.1	14.3	16.3	18.2	20.9	23.7	
Nominal insulation thickness	mm	8.0									
Insulation diameter (approx)	mm	25.9	27.5	29.3	30.7	31.9	33.9	36.3	38.5	41.3	
Nominal tape armour thickness	mm	0.5	0.5	0.5	0.8	0.8	0.8	0.8	0.8	0.8	
Nominal outer sheath thickness	mm	3.2	3.3	3.5	3.6	3.7	3.9	4.0	4.2	4.4	
Overall cable diameter (approx)	mm	72	75	80	84	87	92	98	103	110	
Cable net weight (approx)	CU	7,300	8,400	9,700	11,700	12,900	14,800	17,300	20,000	23,500	
	AL	6,400	7,100	7,900	9,400	10,100	11,300	12,600	14,100	16,000	
Standard length per reel	m	500	500	500	350	350	350	300	300	300	
	mm	600	640	690	730	760	810	880	930	1,000	
Max. DC conductor resistance at 20 °C	CU	0.387	0.268	0.193	0.153	0.124	0.0991	0.0754	0.0601	0.0470	
	AL	0.641	0.443	0.320	0.253	0.206	0.164	0.125	0.100	0.0778	
Min. insulation resistance at 20 °C	MO/Km	1,600	1,500	1,300	1,200	1,200	1,100	1,000	900	800	
	µF/Km	0.121	0.136	0.151	0.163	0.173	0.190	0.209	0.227	0.250	
Inductance per phase	mH/km	0.402	0.381	0.363	0.352	0.343	0.330	0.317	0.308	0.297	
	CU	7.36	10.26	13.88	17.49	21.81	26.86	34.78	43.41	57.79	
Max short circuit current of conductor	AL	4.89	6.81	9.19	11.58	14.43	17.76	22.98	28.67	38.14	
	CU	3.77	4.00	4.25	4.45	4.62	4.9	5.59	5.94	5.93	
Max short circuit current of screen	CU	207	258	314	361	411	470	554	630	766	
	AL	162	205	246	283	320	365	426	482	594	
Maximum current carrying capacity at 30 °C	CU	203	247	296	336	377	426	483	555	626	
	AL	155	187	224	256	284	322	373	415	496	
AC test voltage	kV/5 min	63									



N2XFGbY/NA2XFGbY

1.8/3(3.6) kV

IEC 60502-1

Copper/Aluminium conductor,
XLPE insulated,
Galvanized flat steel wire armoured,
PVC sheathed cable

DIMENSIONAL AND ELECTRICAL DATA

Nominal cross-sectional area	3 CORES												
	25	35	50	70	95	120	150	185	240	300	400		
mm ²	6.05	7.1	8.25	9.9	11.7	13.1	14.3	16.3	18.2	20.9	23.2		
mm	2.0												
Nominal insulation thickness	2.0												
Insulation diameter (approx)	10.3	11.3	12.5	14.1	15.9	17.3	18.5	20.5	22.9	25.1	27.9		
Nominal flat wire armour thickness	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8		
Logittal outer sheath thickness	1.9	2.0	2.1	2.2	2.3	2.4	2.5	2.6	2.8	3.0	3.2		
Overall cable diameter (approx)	31	33	36	40	44	47	50	55	60	66	73		
Cable net weight (approx)	CU	2,000	2,500	3,800	4,800	5,800	6,800	8,200	10,300	12,500	15,600		
Standard length per coil	AL	1,400	2,100	2,500	3,000	3,500	4,000	4,700	5,700	6,800	8,200		
Minimum bending radius		500	500	500	500	500	500	500	500	500	500		
Max. DC conductor resistance at 20 °C	CU	0.727	0.524	0.387	0.268	0.193	0.153	0.114	0.0991	0.0754	0.0601		
Min. insulation resistance at 20 °C	AL	1.20	0.858	0.641	0.443	0.320	0.253	0.208	0.164	0.125	0.100		
Capacitance per phase		900	800	700	600	500	500	500	400	400	400		
Inductance per phase		0.261	0.259	0.334	0.393	0.403	0.499	0.539	0.606	0.685	0.758		
Max.short circuit current of conductor		0.295	0.282	0.272	0.259	0.250	0.244	0.240	0.234	0.229	0.225		
Maximum current carrying capacity at 30 °C	CU	3.73	5.18	7.38	10.26	13.88	17.49	21.81	26.86	34.78	43.41		
	AL	3.49	3.45	4.89	6.81	9.19	11.58	14.43	17.76	22.98	28.67		
	CU	133	172	205	256	312	359	409	468	552	627		
	AL	102	132	159	198	239	277	314	360	420	479		
	CU	132	170	201	245	294	334	375	424	492	552		
	AL	101	130	155	190	228	259	291	330	384	412		
AC test voltage		6.5											



**N2XSEFGbY/
NA2XSEYFGbY**
6/10(12) kV
SPLN 43-5/IEC 60502-2

Copper/Aluminium conductor, XLPE insulated,
with or without water sealing,
Copper wire/tape screened, Galvanized flat
steel wire armoured, Galvanized flat
PVC sheathed cable

DIMENSIONAL AND ELECTRICAL DATA

	25	35	50	70	95	120	150	185	240	300	400
Nominal cross-sectional area	mm ²	mm ²	mm ²	mm ²	mm ²	mm ²	mm ²	mm ²	mm ²	mm ²	mm ²
Conductor diameter (approx)	mm	6.05	7.1	8.25	9.9	11.7	13.1	14.3	16.3	18.1	20.9
Nominal insulation thickness	mm	16.1	15.1	16.5	18.1	19.9	21.3	22.5	24.5	26.9	29.1
Insulation diameter (approx)	mm	0.8	0.8	0.8	0.8	0.6	0.8	0.8	0.8	0.8	0.8
Nominal flat wire armour thickness	mm	2.3	2.4	2.5	2.6	2.7	2.9	3.0	3.1	3.3	3.4
Nominal outer sheath thickness	mm	46	46	49	53	57	61	64	68	74	79
Overall cable diameter (approx)	mm	3.300	3.800	4.400	5.400	6.500	7.600	8.700	10.100	11.900	14.000
Cable net weights (approx)	Kg/Km	2.800	3.100	3.500	4.100	4.700	5.300	5.900	6.800	7.900	9.100
Standard length per reel	m	300	300	300	300	300	300	300	300	300	300
Minimum bending radius	mm	380	400	430	470	510	560	590	630	700	830
Max. DC conductor resistance at 20 °C	Ω/Km	0.727	0.524	0.387	0.268	0.193	0.153	0.124	0.0991	0.0754	0.0470
Min. insulation resistance at 20 °C	MΩ/Km	1.20	0.868	0.641	0.443	0.310	0.253	0.206	0.164	0.125	0.0776
Capacitance per phase	µF/Km	1.000	1.000	900	800	700	600	600	500	500	400
Inductance per phase	mH/Km	0.161	0.181	0.200	0.230	0.261	0.286	0.306	0.341	0.382	0.467
Max. short circuit current of conductor	kA/sec	3.73	5.16	7.39	10.26	13.86	17.49	21.81	26.46	34.79	43.40
Max. short circuit current of screen	kA/sec	2.49	3.45	4.89	6.81	9.19	11.58	14.43	17.36	22.98	28.67
Maximum current carrying capacity at 30 °C	A	134	173	206	257	313	360	402	469	553	638
AC test voltage	kV/5 min	102	131	156	191	229	260	292	311	385	453

21 (IEC), 15 (SPLN)

3 CORES

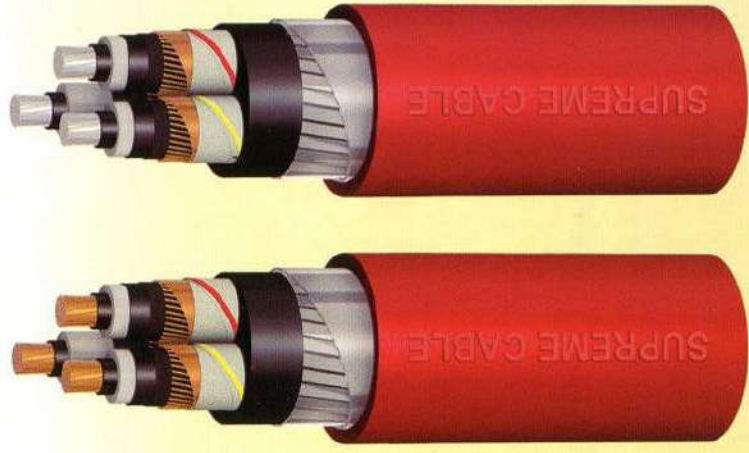


**N2XSEFGbY/
NA2XSEYFGbY**
8.7/15(17.5) kV
SPLN 43-5/IEC 60502-2

Copper/Aluminium conductor,
XLPE insulated, with or without water sealing,
Copper wire/tape screened,
Galvanized flat steel wire armoured,
PVC sheathed cable

DIMENSIONAL AND ELECTRICAL DATA

Nominal cross-sectional area	3 CORES											
	25	35	50	70	95	120	150	185	240	300	400	
Conductor diameter (approx)	6.05	7.1	8.25	9.9	11.7	13.1	14.3	16.3	18.2	20.6	23.7	
Nominal insulation thickness	4.5											
Insulation diameter (approx)	16.5	17.5	18.7	20.3	22.1	23.5	24.7	25.7	29.1	31.3	34.1	
Nominal flat wire armour thickness	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	
Nominal outer sheath thickness	2.5	2.6	2.7	2.8	2.9	3.0	3.1	3.3	3.4	3.6	3.8	
Overall cable diameter (approx)	49	52	55	58	63	66	69	74	79	85	91	
Cable net weight (approx)	3,900	4,400	5,100	6,000	4,300	8,300	9,400	11,100	13,400	15,800	19,000	
	3,400	3,850	4,200	4,700	5,400	6,100	6,600	7,600	8,700	10,000	12,600	
Standard length per reel	900	900	900	900	900	900	900	900	900	900	900	
	410	440	470	510	560	590	630	680	750	790	860	
Minimum bending radius	0.727	0.524	0.387	0.268	0.193	0.153	0.124	0.0991	0.0754	0.0601	0.0470	
Max. DC conductor resistance at 20 °C	1.20	0.868	0.641	0.443	0.330	0.253	0.206	0.164	0.125	0.100	0.0778	
Min. insulation resistance at 20 °C	1,300	1,200	1,100	1,000	900	800	700	600	600	600	500	
Capacitance per phase	0.138	0.154	0.170	0.193	0.218	0.238	0.254	0.281	0.314	0.344	0.382	
Inductance per phase	0.408	0.386	0.369	0.347	0.330	0.319	0.310	0.299	0.288	0.275	0.271	
Max short circuit current of conductor	3.73	5.18	7.36	10.26	13.88	17.49	21.81	26.86	34.78	43.41	57.79	
	2.49	3.45	4.89	6.81	9.19	11.58	14.43	17.76	22.98	29.67	39.14	
Max short circuit current of screen	2.46	2.61	2.77	3.00	3.25	3.44	3.61	3.89	4.23	4.53	4.92	
	1.14	1.73	2.06	2.57	3.13	3.60	4.10	4.69	5.53	6.29	7.60	
Maximum current capacity in air	100	139	161	204	245	282	319	365	425	481	593	
Capacity at 30 °C	132	171	202	246	295	335	376	425	492	554	625	
	102	132	154	186	223	255	283	321	372	414	499	
AC test voltage	30.5 (IEC) , 22 (SPLN)											



**N2XSEFGbY/
NA2XSEYFGbY**
12/20(24) kV
SPLN 43-5/IEC 60502-2

Copper/Aluminium conductor,
XLPE insulated,
with or without water sealing,
Copper wire/tape screened,
Galvanized flat steel wire armoured,
PVC sheathed cable

DIMENSIONAL AND ELECTRICAL DATA

Nominal cross-sectional area	3 CORES											
	35	50	70	95	120	150	185	240	300	400		
Conductor diameter (approx)	7.1	8.25	9.9	11.7	13.1	14.3	16.3	18.2	20.9	23.7		
Nominal insulation thickness Insulation diameter (approx) Nominal flat wire armour thickness Nominal outer sheath thickness Overall cable diameter (approx)	19.7	20.9	22.5	24.3	25.7	26.9	28.9	31.3	33.5	36.3		
	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8		
	2.7	2.8	2.9	3.1	3.2	3.3	3.4	3.6	3.7	4.0		
	57	60	64	68	71	74	79	85	90	97		
Cable net weight (approx)	CU	5,700	6,800	8,000	9,100	10,300	11,900	14,300	16,700	20,100		
	AL	4,400	4,800	5,400	6,200	6,800	7,500	8,400	9,600	12,700		
Standard length per-reel		500	500	500	600	630	660	720	830	910		
	Minimum bending radius	480	510	550	600	630	660	720	780	830		
Max. DC conductor resistance at 20 °C	CU	0.524	0.387	0.268	0.193	0.153	0.124	0.0991	0.0754	0.0601		
	AL	0.868	0.641	0.443	0.320	0.253	0.206	0.164	0.125	0.100		
Min. insulation resistance at 20 °C		1,400	1,300	1,100	1,000	900	800	700	700	600		
Capacitance per phase		0.136	0.149	0.169	0.190	0.206	0.220	0.243	0.270	0.326		
Inductance per phase		0.408	0.389	0.367	0.348	0.335	0.327	0.314	0.302	0.282		
Max.short circuit current of conductor	CU	5.18	7.36	10.26	13.88	17.49	21.81	26.86	34.78	43.41		
	AL	3.45	4.89	6.81	9.19	11.58	14.43	17.76	22.98	28.67		
Max.short circuit current of screen	CU	2.77	2.92	3.14	3.38	3.57	3.99	4.31	4.60	6.21		
	AL	1.73	2.06	2.57	3.13	3.60	4.10	4.69	5.53	6.29		
Maximum current carrying capacity at 30 °C	in air	139	161	199	242	280	318	365	425	481		
	in ground	171	202	246	295	335	376	425	492	554		
AL test voltage	AL	132	154	191	228	260	292	331	385	437		
						42 (IEC) , 30(SPLN)						



**N2XSEFGbY/
NA2XSEFGbY**
18/30(36) kV
IEC 60502-2

Copper/Aluminium conductor,
XLPE insulated,
Copper wire/tape screened,
Galvanized flat steel wire armoured,
PVC sheathed cable

DIMENSIONAL AND ELECTRICAL DATA

Nominal cross-sectional area	3 CORES										
	50	70	95	120	150	185	240	300	363	400	400
Conductor diameter (approx)	8.25	9.9	11.7	13.1	14.3	16.3	18.2	20.9	23.7	23.7	23.7
Nominal insulation thickness											
Insulation diameter (approx)	25.9	27.5	29.3	30.7	31.9	33.9	36.3	38.5	41.3	41.3	41.3
Nominal flat wire armour thickness	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8
Nominal outer sheath thickness	3.2	3.3	3.5	3.6	3.7	3.8	4.0	4.1	4.4	4.4	4.4
Overall cable diameter (approx)	72	76	80	83	86	91	97	102	109	109	109
Cable net weight (approx)	CU	7,500	8,600	10,000	11,200	12,400	14,100	16,600	19,200	22,700	22,700
	AL	6,600	7,300	8,100	8,900	9,500	10,600	11,900	13,400	15,300	15,300
Standard length per reel		500	500	500	350	350	300	300	300	300	300
Minimum bending radius		600	640	680	720	750	810	870	920	920	1,000
Max. DC conductor resistance at 20 °C	CU	0.387	0.268	0.193	0.153	0.124	0.0991	0.0754	0.0601	0.0470	0.0470
	AL	0.641	0.443	0.320	0.253	0.206	0.164	0.125	0.100	0.0778	0.0778
Min. insulation resistance at 20 °C	CU	1,600	1,500	1,300	1,200	1,200	1,100	1,000	900	800	800
	AL	0.121	0.136	0.151	0.163	0.173	0.190	0.209	0.227	0.250	0.250
Capacitance per phase		0.429	0.404	0.383	0.369	0.359	0.344	0.330	0.319	0.307	0.307
Max. short circuit current of conductor	CU	7.36	10.26	13.88	17.49	21.81	26.86	34.78	43.41	57.79	57.79
	AL	4.89	6.81	9.19	11.58	14.43	17.76	22.38	28.67	38.14	38.14
Max. short circuit current of screen	CU	3.77	4.00	4.25	4.45	4.62	4.9	5.54	5.54	5.93	5.93
	AL	2.07	2.58	3.14	3.61	4.11	4.70	5.54	6.30	7.66	7.66
Maximum current carrying capacity at 30 °C	In air	162	205	246	283	320	365	426	482	594	594
	In ground	203	247	296	336	377	426	488	555	626	626
AC test voltage	AL	155	187	224	256	284	322	373	415	496	496
											63



**N2XALCAY/
NA2XALCAY**
1.8/3(3.6) kV
IEC 60502-1

Copper/Aluminium conductor, XLPE insulated,
Aluminium corrugated tape armoured,
PVC sheathed cable

DIMENSIONAL AND ELECTRICAL DATA

Nominal cross-sectional area	mm ²		3 CORES											
	25	35	50	70	95	120	150	185	240	300	400			
Conductor diameter (approx)	6.05	7.1	8.35	9.9	11.7	13.1	14.3	16.3	18.2	20.9	23.7			
Nominal insulation thickness	10.3	11.3	12.5	14.1	15.9	17.3	18.5	20.5	22.9	25.1	27.9			
Insulation diameter (approx)	0.4	0.4	0.4	0.4	0.5	0.5	0.5	0.5	0.5	0.6	0.6			
Nominal corrugated thickness	2.2	2.3	2.4	2.5	2.7	2.9	2.9	3.1	3.1	3.5	3.8			
Nominal outer sheath thickness	34	36	39	44	48	52	56	61	67	73	80			
Overall cable diameter (approx)	2000	2400	2900	3700	4700	5400	6000	6800	8300	10400	15900			
Cable net weight (approx)	1500	1700	2000	2400	2900	3400	4000	4800	5700	6800	8500			
Standard length per reel	500	500	500	500	500	500	500	500	350	350	350			
Minimum bending radius	300	320	350	400	450	490	530	580	640	700	780			
Max. DC conductor resistance at 20 °C	0.727	0.524	0.387	0.268	0.193	0.133	0.124	0.0991	0.0754	0.0601	0.0470			
Min. insulation resistance at 20 °C	1.20	0.868	0.641	0.443	0.320	0.233	0.206	0.164	0.125	0.100	0.0778			
Capacitance per phase	900	700	700	600	500	400	400	400	300	300	300			
Inductance per phase	0.261	0.299	0.334	0.393	0.453	0.499	0.539	0.506	0.685	0.758	0.851			
Max. short circuit current of conductor	0.295	0.282	0.272	0.259	0.250	0.244	0.240	0.234	0.229	0.225	0.221			
Maximum current carrying capacity at 30 °C	3.75	5.18	7.38	10.26	13.88	17.49	21.81	26.88	34.78	43.44	57.79			
AC test voltage	3.49	3.45	4.89	6.81	9.19	11.38	14.43	17.76	22.98	28.67	38.14			
	131	170	203	253	309	355	405	463	546	621	750			
	101	130	157	196	236	274	311	356	416	474	585			
	130	168	199	242	291	330	371	410	487	546	617			
	100	129	151	188	226	256	288	327	380	408	488			
						6.5								



N2XSEALCAY/ NA2XSEALCAY

3.6/6(7.2) kV

IEC 60502-2

Copper/Aluminium conductor, XLPE insulated,
Copper wire/tape screened,
Aluminium corrugated tape armoured,
PVC sheathed cable

DIMENSIONAL AND ELECTRICAL DATA

Nominal cross-sectional area	mm ²	25	35	50	70	95	120	150	185	240	300	400
		6.05	7.1	8.25	9.3	11.7	13.1	14.3	16.3	18.2	20.9	27.7
Conductor diameter (approx)	mm	12.5	13.5	14.7	16.3	18.1	19.5	20.7	22.7	24.8	27.9	31.9
Nominal insulation thickness	mm	0.4	0.4	0.4	0.5	0.5	0.5	0.5	0.5	0.5	0.6	0.6
Insulation diameter (approx)	mm	2.3	2.4	2.5	2.7	2.8	2.9	3.0	3.2	3.4	3.7	3.9
Nominal corrugated thickness	mm	44	47	49	55	58	62	65	71	77	85	91
Nominal outer sheath thickness	mm	2.800	3.300	3.800	4.900	5.000	7.000	8.100	9.600	11.900	14.700	18.100
Overall cable diameter (approx)	mm	2.300	2.600	2.900	3.200	4.200	4.800	5.300	6.100	7.300	8.900	10.700
Cable net weight (approx)	Kg/Km	500	500	500	500	500	500	500	500	500	300	300
Standard length per reel	m	380	410	430	490	520	560	600	660	720	750	880
Minimum bending radius	mm	0.727	0.524	0.387	0.268	0.193	0.153	0.124	0.0991	0.0754	0.0601	0.0470
Max. DC conductor resistance at 20 °C	Ω/Km	1.20	0.898	0.641	0.443	0.320	0.233	0.200	0.164	0.125	0.100	0.0778
Min. insulation resistance at 20 °C	MΩ.Km	900	800	700	600	500	500	500	400	400	400	400
Capacitance per phase	µF/Km	0.193	0.216	0.240	0.279	0.318	0.349	0.376	0.419	0.459	0.481	0.511
Inductance per phase	mH/km	0.334	0.317	0.304	0.288	0.276	0.268	0.263	0.255	0.249	0.246	0.243
Max. short circuit current of conductor	kA/sec	3.73	5.18	7.36	10.26	13.88	17.49	21.81	26.88	34.78	43.41	57.79
Max. short circuit current of screen	kA/sec	3.40	3.45	4.89	6.81	9.19	11.58	14.43	17.78	22.98	28.57	38.14
Maximum current carrying capacity at 30 °C	A	131	170	203	253	309	395	465	463	546	621	750
Maximum current carrying capacity at 30 °C in ground	A	101	130	157	196	236	274	311	358	416	474	585
AC test voltage	kV/5 min	130	168	199	242	291	330	371	420	487	546	617
		100	129	153	180	226	256	288	327	380	428	488

3 CORES



N2XSEALCAY/ NA2XSEALCAY 6/10(12) kV IEC 60502-2

Copper/Aluminium conductor, XLPE insulated,
Copper wire/tape screened,
Aluminium corrugated tape armoured,
PVC sheathed cable

DIMENSIONAL AND ELECTRICAL DATA

Nominal cross-sectional area	3 CORES											
	25	35	50	70	95	120	150	185	240	300	400	
Conductor diameter (approx)	6.05	7.1	8.25	9.9	11.7	13.1	14.3	16.3	18.2	20.9	27.7	
Nominal insulation thickness	3.4											
Insulator diameter (approx)	14.3	15.3	16.5	18.1	19.9	21.3	22.5	24.5	26.9	29.1	31.9	
Nominal corrugated thickness	0.4	0.4	0.5	0.5	0.5	0.5	0.5	0.5	0.6	0.6	0.6	
Nominal outer sheath thickness	2.5	2.6	2.7	2.8	3.0	3.1	3.2	3.4	3.6	3.6	4.0	
Overall cable diameter (approx)	48	51	55	58	63	67	70	75	81	86	94	
Cable net weight (approx)	3,200		4,500	5,400	6,600	7,600	8,700	10,500	12,800	15,200	18,400	
Standard length per reel	2,700		3,600	4,200	4,800	5,300	5,900	6,700	8,200	9,400	11,000	
Minimum bending radius	500		500	500	500	500	500	500	500	500	500	
Max. DC conductor resistance at 20 °C	0.727		0.524	0.387	0.268	0.193	0.133	0.124	0.0991	0.0754	0.0601	
Min. insulation resistance at 20 °C	1,200		0.808	0.641	0.443	0.320	0.253	0.206	0.164	0.125	0.100	
Capacitance per phase	160.8m		1.100	900	800	700	600	600	500	500	400	
Inductance per phase	0.161		0.181	0.200	0.230	0.261	0.286	0.306	0.341	0.382	0.420	
Max short circuit current of conductor	3.77		5.18	7.36	10.26	13.88	17.49	21.81	26.86	34.78	43.41	
Max short circuit current of cables	2.49		3.45	4.89	6.81	9.19	11.58	14.43	17.26	22.98	28.67	
Maximum current carrying capacity at 30 °C	132		171	204	254	310	356	406	464	547	622	
AC test voltage	101		130	154	189	227	257	289	328	381	409	
												21



N2XSEALCAY/ NA2XSEALCAY

8.7/15(17.5) kV

IEC 60502-2

Copper/Aluminium conductor, XLPE insulated,
Copper wire/tape screened,
Aluminium corrugated tape armoured,
PVC sheathed cable

DIMENSIONAL AND ELECTRICAL DATA

Nominal cross-sectional area	3 CORES											
	25	35	50	70	95	120	150	185	240	300	400	
Conductor diameter (approx)	6.05	7.1	8.25	9.9	11.7	13.1	14.3	16.3	18.2	20.9	27.7	
Nominal insulation thickness	4.5											
Insulation diameter (approx)	16.5	17.5	18.7	20.3	22.1	23.5	24.7	25.7	29.1	31.3	34.1	
Nominal corrugated thickness	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.6	0.6	0.6	0.6	
Nominal outer sheath thickness	2.7	2.8	2.9	3.0	3.1	3.3	3.4	3.6	3.8	4.0	4.2	
Overall cable diameter (approx)	55	57	60	64	68	73	76	81	88	93	99	
Cable net weight (approx)	CU	3,500	4,400	5,100	6,100	7,200	8,400	9,500	11,400	14,700	19,400	
	AL	3,500	3,400	4,200	4,800	5,400	6,100	6,700	7,900	9,000	12,000	
Standard length per reel	m	500	500	500	500	500	500	350	350	320	320	
	mm	462	480	510	550	600	650	680	730	800	850	
Minimum bending radius	CU	0.727	0.504	0.387	0.268	0.193	0.153	0.124	0.0991	0.0751	0.0470	
	AL	1.20	0.868	0.641	0.443	0.320	0.233	0.206	0.164	0.125	0.100	
Max. DC conductor resistance at 20 °C		1,300	1,200	1,100	1,000	900	800	700	600	500	500	
Min. insulation resistance at 20 °C		0.138	0.154	0.170	0.193	0.218	0.238	0.254	0.281	0.314	0.382	
Capacitance per phase		0.189	0.269	0.352	0.432	0.516	0.595	0.678	0.787	0.869	1.041	
Inductance per phase		3.73	5.18	7.38	10.26	13.08	17.49	21.81	26.86	34.78	43.41	
Max. short circuit current of conductor	CU	2.49	3.45	4.89	6.81	9.19	11.58	14.43	17.76	22.98	28.14	
	AL	2.46	2.61	2.77	3.00	3.25	3.44	3.61	3.89	4.23	4.53	
Max. short circuit current of screen	CU	132	171	204	254	310	376	400	464	547	623	
	AL	102	137	159	202	242	279	316	361	421	476	
Maximum current carrying capacity at 30 °C	CU	131	168	200	243	292	331	372	421	487	549	
	AL	101	131	152	184	221	252	280	318	388	410	
AC test voltage		30.5										



**N2XSEALCAY/
NA2XSEALCAY**
12/20(24) kV
IEC 60502-2

Copper/Aluminium conductor, XLPE insulated,
Copper wire/tape screened,
Aluminium corrugated tape armoured,
PVC sheathed cable

DIMENSIONAL AND ELECTRICAL DATA

Nominal cross-sectional area	3 CORES																			
	35	50	70	95	120	150	185	240	300	400										
Conductor diameter (approx)	7.1	8.25	9.9	11.7	13.1	14.3	16.3	18.2	20.9	23.7										
Nominal insulation thickness	5.5																			
Insulation diameter (approx)	19.7	20.9	22.5	24.3	25.7	26.9	28.9	31.3	33.5	36.3										
Nominal corrugated thickness	0.5	0.5	0.5	0.5	0.6	0.6	0.6	0.6	0.6	0.6										
Nominal outer sheath thickness	3.0	3.1	3.2	3.3	3.5	3.6	3.8	4.0	4.2	4.2										
Overall cable diameter (approx)	63	66	70	74	79	82	88	93	99	99										
Cable net weight (approx)	CU	5,100	6,400	8,000	9,400	10,600	12,300	14,700	17,100	20,100										
	AL	4,400	4,900	5,300	6,200	6,800	7,800	8,700	9,900	11,300										
Standard length per reel	500										350	350	250	250						
Minimum bending radius	530										600	720	780	900	920					
	mm											640	690	720	780	900				
Max. DC conductor resistance at 20 °C	CU	0.524	0.387	0.268	0.193	0.155	0.124	0.0991	0.0754	0.0601	0.0470									
	AL	0.868	0.641	0.443	0.320	0.253	0.206	0.164	0.125	0.100	0.0778									
Min. insulation resistance at 20 °C	1,400										1,000	900	800	700	600					
	MO.km											1,000	900	800	700	600				
Capacitance per phase	0.136										0.149	0.190	0.206	0.243	0.270	0.294	0.326			
	µF/km											0.136	0.149	0.190	0.206	0.243	0.270	0.294	0.326	
Inductance per phase	0.393										0.374	0.353	0.335	0.315	0.303	0.292	0.283	0.274		
	mH/km											0.393	0.374	0.353	0.335	0.315	0.303	0.292	0.283	0.274
Max. short circuit current of conductor	CU	5.16	7.36	10.26	13.88	17.49	21.81	26.86	34.78	43.41	57.79									
	AL	3.45	4.89	6.81	9.19	11.56	14.43	17.76	22.98	28.67	38.14									
Max. short circuit current of screen	2.77										2.92	3.14	3.38	3.57	4.66	4.31	4.60	6.21		
	CU											2.77	2.92	3.14	3.38	3.57	4.66	4.31	4.60	6.21
Maximum current carrying capacity at 30 °C	171										204	254	310	356	406	464	547	623	752	
	in air											171	204	254	310	356	406	464	547	623
AC test voltage	137										159	197	239	277	315	361	421	476	587	
	in ground											137	159	197	239	277	315	361	421	476
KV/5 min	169										200	243	292	331	372	421	487	548	619	
	AL											169	200	243	292	331	372	421	487	548
KV/5 min	131										152	189	226	257	289	328	381	432	490	
	AL											131	152	189	226	257	289	328	381	432



NFA2XSY-T
12/20(24) kV
SPLN 43-5/IEC 60502-2
Aerial twisted cable

Aluminium conductor, XLPE insulated,
Copper/wire tape screened,
PVC sheathed with stranded galvanized
round steel wire insulated messenger

DIMENSIONAL AND ELECTRICAL DATA

Nominal cross-sectional area	mm ²											
	3x15+30	3x20+30	3x25+30	3x35+30	3x50+30	3x70+30	3x95+30	3x120+30	3x150+30	3x185+30	3x240+30	3x300+30
Conductor diameter (approx)	7.0	8.2	9.8	11.2	12.9	14.1	15.1	16.1	18.0	18.0	20.6	20.6
Nominal insulation thickness	5.5											
Insulation diameter (approx)	19.6	20.8	22.4	24.1	25.5	26.7	28.7	30.8	31.2	31.2	33.2	33.2
Nominal outer sheath thickness	1.8	1.8	1.9	1.9	2.0	2.0	2.1	2.1	2.1	2.1	2.2	2.2
Overall cable diameter (approx)	5%	5%	5%	6%	6%	7%	7%	7%	8%	8%	8%	8%
Cable net weight (approx)	2800	3100	3400	3900	4300	4800	5200	6000	6800	6800	8000	8000
Standard length per coil	500	500	500	500	350	350	350	350	350	350	350	350
Minimum bending radius	470	500	540	580	620	660	700	760	820	820	820	820
Max. DC conductor resistance at 20 °C	0.868	0.641	0.443	0.320	0.253	0.206	0.164	0.125	0.100	0.100	0.100	0.100
Min. insulation resistance at 20 °C	1400	1300	1100	1000	900	900	900	900	900	900	900	900
Capacitance per phase	0.106	0.116	0.128	0.141	0.152	0.160	0.175	0.189	0.206	0.206	0.206	0.206
Inductance per phase	0.418	0.400	0.382	0.365	0.354	0.346	0.333	0.323	0.312	0.312	0.312	0.312
Max. short circuit current of conductor	3.45	4.89	6.81	9.19	11.58	14.43	17.76	22.88	28.67	28.67	28.67	28.67
Max. short circuit current of screen	2.77	2.92	3.14	3.38	3.57	4.66	3.99	4.31	4.6	4.6	4.6	4.6
Maximum current carrying capacity at 70 °C in Air	142	165	204	247	287	326	373	435	481	481	481	481
AC test voltage	42 IEC / 30 SPLN											



SUPREME CABLE

SUPREME CABLE

Building Wire catalogue



07 . DROP WIRE

Telecommunication Cable

- 1. Conductor : Copper wire
- 2. Messenger : Zinc coated round steel wire
- 3. Outer Sheath : Extruded black PE



APPLICATIONS

For aerial installation from distribution cables to subscribers or for installation on external wall of buildings or houses.

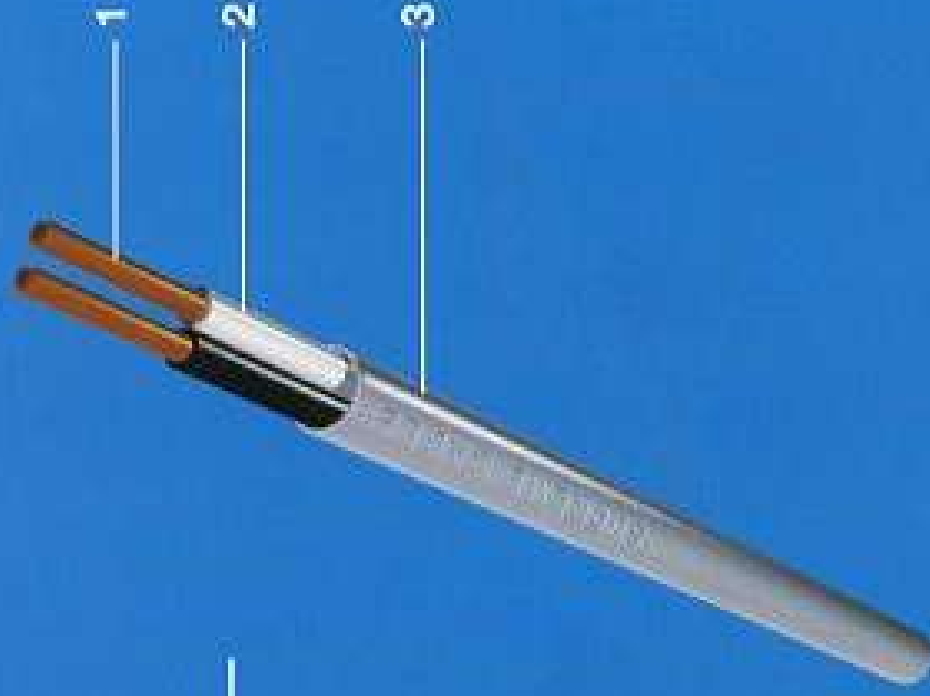


SPECIFICATION : STEEL-AL, SIL or Customer Specification
CONDUCTOR DIAMETER : 0.6 up to 0.8 mm
SIZE : 2 wires

04. INDOOR CABLE (SINGLE PAIR)

Telecommunication Cable

- 1. Conductor : Copper wire
- 2. Insulation : Extruded PVC
- 3. Outer Sheath : Extruded PVC



APPLICATIONS

For indoor installations between indoor terminal block to telephone set, signalling and measuring systems for permanent installation on and under plaster in dry and damp rooms as well as in chemical plant.

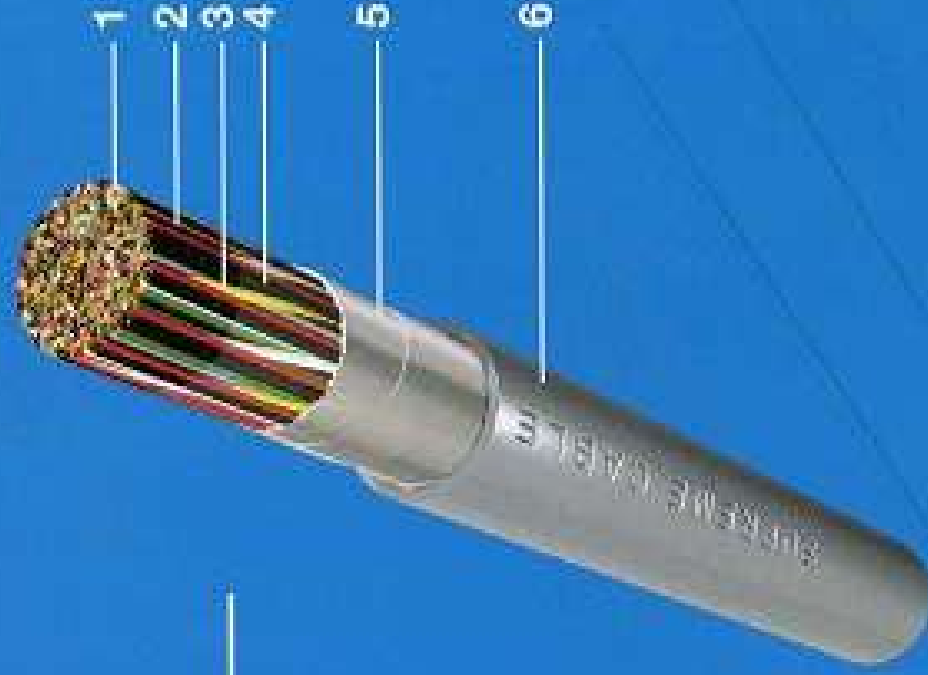


SPECIFICATION	: STEEL-W. Slit or Customer Specification
CONDUCTOR DIAMETER	: 0.50mm
SIZE	: 1 pair
TWISTED SYSTEM	: Pair

05 ■ INDOOR CABLE (MULTIPAIR)

Telecommunication Cable

1. Conductor : Copper wire
2. Insulation : Extruded PVC
3. Binder : PE/PP Tapes
4. Core Wrap : Polyester tape
5. Screen : Aluminium tape
6. Outer Sheath : Extruded PVC



APPLICATIONS

For indoor installations on the wall, on cable racks or in duct and suitable for internal communication intercom system, data processing, control circuit and alarm system. For uses in buildings, IDF, to terminal.

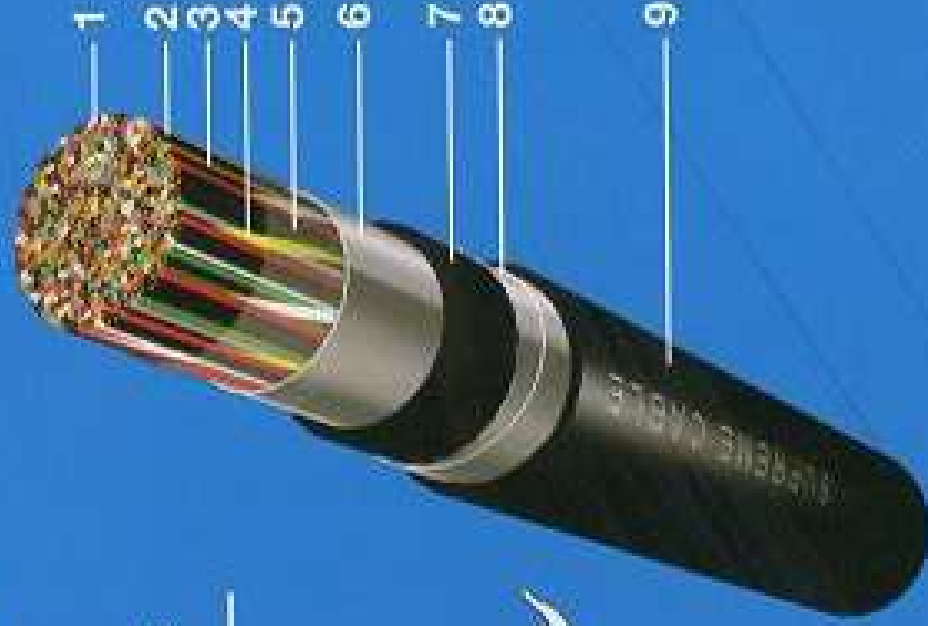


- SPECIFICATION : STEL-K, Sa or Customer Specification
- CONDUCTOR DIAMETER : 0.32 up to 1.2 mm
- SIZE RANGE : 2 up to 200 pairs
- TWISTED SYSTEM : Pair or Quad

03. DIRECT BURIED CABLE

Telecommunication Cable

1. Conductor : Copper wire
2. Insulation : Extruded solid/ Foam skin PE
3. Filling Compound : Cable Filling Compound
4. Binder : PE/ PP Tape
5. Core Wrap : Polyester tape
6. Screen : Aluminium tape
7. Inner Sheath : Extruded black PE
8. Armour : Galvanized steel tape
9. Outer Sheath : Extruded black PE



APPLICATIONS

For underground installations, mainly used at primary, secondary or junction network connections and buried in the ground.



SPECIFICATION : STEEL, SL, POSETEL or Customer Specification

CONDUCTOR DIAMETER : 0.30 up to 1.2 mm

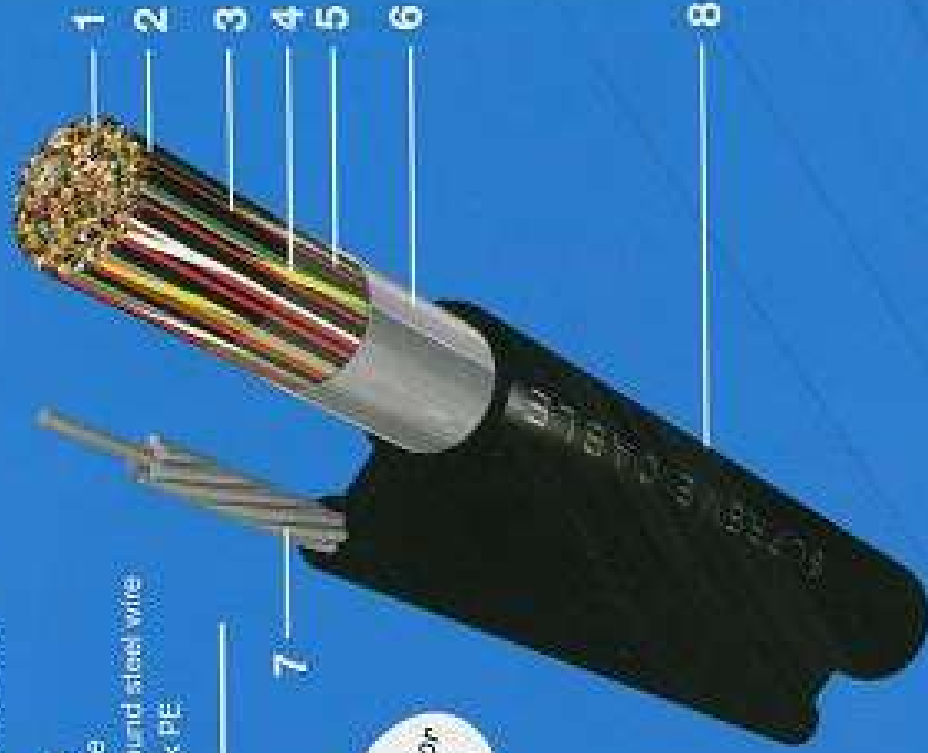
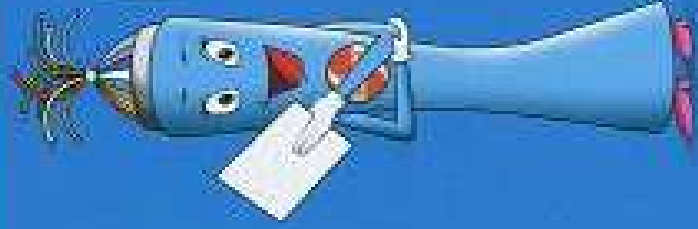
SIZE RANGE : 10 up to 4000 pairs

TWISTED SYSTEM : Pair or Quad

01 SELF SUPPORTING/ AERIAL CABLE

Telecommunication Cable

1. Conductor : Copper wire
2. Insulation : Extruded solid/ Foam skin PE
3. Filling Compound: Cable Filling Compound
4. Binder : PE/ PP Tape
5. Core Wrap : Polyester tape
6. Screen : Aluminum tape
7. Messenger : Zinc-coated round steel wire
8. Outer Sheath : Extruded black PE



APPLICATIONS

For self-supporting aerial installation, mainly used in the distribution network connecting cross connection cabinet with terminal blocks, VLF transmission digital system, Local network, Pucob, Private and Industrial.



SPECIFICATION

: STEEL-K, Sll or Customer Specification

CONDUCTOR DIAMETER : 0.32 up to 1.2 mm

SIZE RANGE : 10 up to 300 pairs

TWISTED SYSTEM : Pair or Quad