NON ARMOURED CABLE

Type : NYY - 0.6/1 kV

SNI IEC 60502-1:2009 (SPLN 43-1:1981)

(Copper Conductor, PVC Insulated and PVC Sheathed)

DIMENSIONAL & MECHANICAL DATA

Size	Conductor		Insulation	Jacket	Approx.	Approx.	Standard
	Shape	No.of Wire	Thickness	Thickness	Overall Diameter	Net Weight	Reel Length
mm^2	-	-	mm	mm	mm	kg/km	m
1.5	re(rm)	1 (7)	0.8	1.8	6.8	64	100
2.5	re(rm)	1 (7)	0.9	1.8	7.4	80	100
4	re(rm)	1 (7)	1.0	1.8	8.0	103	100
6	re(rm)	1 (7)	1.0	1.8	8.5	128	100
10	re(rm)	1 (7)	1.0	1.8	9.4	173	100
16	re(rm)	1 (7)	1.0	1.8	10.8	253	1000
25	rm	7	1.2	1.8	12.5	366	1000
35	rm	7	1.2	1.8	13.8	470	1000
50	rm	19	1.4	1.8	15.8	643	1000
70	rm	19	1.4	1.8	17.2	832	1000
95	rm	19	1.6	1.8	19.4	1,114	1000
120	rm	37	1.6	1.8	21.0	1,360	1000
150	rm	37	1.8	1.8	23.0	1,679	1000
185	rm	37	2.0	2.0	25.6	2,069	1000
240	rm	61	2.2	2.0	28.6	2,683	1000
300	rm	61	2.4	2.0	31.3	3,294	1000
400	rm	61	2.6	2.2	35.1	4,210	1000
500	rm	61	3.0	2.2	38.9	5,239	500

ELECTRICAL DATA

Size	Max. DC Resistance at 20°C		Current Carrying Capacity		Approx. Reactance per-	Short Circuit Current
	Conductor	Insulation	In Ground 30°C	In Air 30°C	Conductor	at 1 sec
mm^2	Ohm/km	M.Ohm.km	A	A	Ohm/km	kA
1.5	12.1	62	33	26	-	0.17
2.5	7.41	57	45	35	-	0.29
4	4.61	52	58	46	-	0.46
6	3.08	44	74	58	-	0.70
10	1.83	36	98	80	-	1.16
16	1.15	26	129	105	0.254	1.86
25	0.727	26	169	140	0.242	2.91
35	0.524	22	210	175	0.228	4.07
50	0.387	22	250	215	0.189	5.81
70	0.268	19	310	270	0.210	8.14
95	0.193	18	375	335	0.203	11.05
120	0.153	16	425	390	0.196	13.95
150	0.124	16	480	445	0.192	17.44
185	0.0991	16	550	510	0.184	21.51
240	0.0754	16	640	620	0.174	27.91
300	0.0601	15	730	710	0.170	34.88
400	0.0470	14	855	850	0.163	46.51
500	0.0366	14	990	1000	0.157	58.14

NON ARMOURED CABLE

Type : NYY - 0.6/1 kV

SNI IEC 60502-1:2009 (SPLN 43-1:1981)

(Copper Conductor , PVC Insulated and PVC Sheathed)

DIMENSIONAL & MECHANICAL DATA

Number of Cores	Size	Conductor		Insulation Thickness	Jacket Thickness	Approx. Overall Diameter	Approx. Net Weight	Standard Reel Length
		Shape	No.of Wire					
-	mm^2	-	-	mm	mm	mm	kg/km	m
2	1.5	re(rm)	1 (7)	0.8	1.8	11.3	170	1000
	2.5	re(rm)	1 (7)	0.9	1.8	12.5	216	1000
	4	re(rm)	1 (7)	1.0	1.8	13.8	280	1000
	6	re(rm)	1 (7)	1.0	1.8	14.8	341	1000
	10	re(rm)	1 (7)	1.0	1.8	16.4	457	1000
	16	re(rm)	1 (7)	1.0	1.8	19.4	669	1000
	25	rm	7	1.2	2.0	23.9	1,033	1000
	35	rm	7 (19)	1.2	2.0	26.5	1,310	1000
	50	rm	19	1.4	2.0	30.0	1,748	1000
	70	rm	19	1.4	2.2	32.9	2,232	1000
	95	rm	19	1.6	2.2	37.9	2,982	1000
	120	rm	37	1.6	2.2	41.0	3,565	1000
	150	rm	37	1.8	2.6	45.9	4,538	1000
3	1.5	re(rm)	1 (7)	0.8	1.8	11.8	192	1000
	2.5	re(rm)	1 (7)	0.9	1.8	13.0	251	1000
	4	re(rm)	1 (7)	1.0	1.8	14.5	330	1000
	6	re(rm)	1 (7)	1.0	1.8	15.6	413	1000
	10	re(rm)	1 (7)	1.0	1.8	17.3	563	1000
	16	re(rm)	1 (7)	1.0	1.8	21.3	882	1000
	25	rm	7	1.2	2.0	25.3	1,302	1000
	35	rm	7 (19)	1.2	2.0	27.9	1,670	1000
	50	sm	19	1.4	2.0	27.6	1,945	1000
	70	sm	19	1.4	2.0	31.2	2,613	1000
	95	sm	19	1.6	2.2	35.7	3,467	1000
	120	sm	37	1.6	2.2	38.3	4,217	1000
	150	sm	37	1.8	2.6	42.3	5,234	500
	185	sm	37	2.0	2.6	46.9	6,478	500
	240	sm	61	2.2	2.6	51.7	8,102	500
	300	sm	61	2.4	3.0	56.2	10,020	300

ELECTRICAL DATA

Number of Cores	Size	Max. DC Resistance at 20°C		Current Carrying Capacity		Approx. Reactance per-Conductor	Short Circuit Current at 1 sec
		Conductor	Insulation	In Ground 30°C	In Air 30°C		
-	mm^2	Ohm/km	M.Ohm.km	A	A	Ohm/km	kA
2	1.5	12.1	62	27	21	0.108	0.17
	2.5	7.41	57	36	29	0.104	0.29
	4	4.61	52	47	38	0.100	0.46
	6	3.08	44	59	48	0.094	0.70
	10	1.83	36	78	66	0.088	1.16
	16	1.15	26	102	90	0.083	1.86
	25	0.727	26	134	120	0.080	2.91
	35	0.524	22	160	150	0.077	4.07
	50	0.387	22	187	180	0.077	5.81
	70	0.268	19	230	230	0.074	8.14
	95	0.193	18	280	275	0.074	11.05
	120	0.153	16	320	320	0.072	13.95
	150	0.124	16	355	375	0.072	17.44
3	1.5	12.1	62	24	18	0.108	0.17
	2.5	7.41	57	32	25	0.104	0.29
	4	4.61	52	41	34	0.100	0.46
	6	3.08	58	52	44	0.094	0.70
	10	1.83	36	69	60	0.088	1.16
	16	1.15	26	89	80	0.083	1.86
	25	0.727	26	116	105	0.080	2.91
	35	0.524	22	138	130	0.077	4.07
	50	0.387	22	165	160	0.077	5.81
	70	0.268	19	205	200	0.074	8.14
	95	0.193	18	245	245	0.074	11.05
	120	0.153	16	285	285	0.072	13.95
	150	0.124	16	315	325	0.072	17.44
	185	0.0991	16	355	370	0.072	21.51
	240	0.0754	16	415	435	0.072	27.91
	300	0.0601	14	465	500	0.072	34.88

NON ARMOURED CABLE

Type : NYY - 0.6/1 kV

SNI IEC 60502-1:2009 (SPLN 43-1:1981)

(Copper Conductor , PVC Insulated and PVC Sheathed)

DIMENSIONAL & MECHANICAL DATA

Number of Cores	Size	Conductor		Insulation Thickness	Jacket Thickness	Approx. Overall Diameter	Approx. Net Weight	Standard Reel Length
		Shape	No.of Wire					
-	mm^2	-	-	mm	mm	mm	kg/km	m
4	1.5	re(rm)	1 (7)	0.8	1.8	12.5	225	1000
	2.5	re(rm)	1 (7)	0.9	1.8	14.0	299	1000
	4	re(rm)	1 (7)	1.0	1.8	15.7	399	1000
	6	re(rm)	1 (7)	1.0	1.8	16.9	503	1000
	10	re(rm)	1 (7)	1.0	1.8	18.7	697	1000
	16	re(rm)	1 (7)	1.0	1.8	23.6	1,117	1000
	25	rm	7	1.2	2.0	27.6	1,625	1000
	35	rm	7	1.2	2.0	30.2	2,096	1000
	50	sm	19	1.4	2.0	30.7	2,388	1000
	70	sm	19	1.4	2.2	33.8	3,205	1000
	95	sm	19	1.6	2.2	39.0	4,225	1000
	120	sm	37	1.6	2.2	42.2	5,264	500
	150	sm	37	1.8	2.6	47.1	5,526	500
	185	sm	37	2.0	2.6	51.7	8,033	500
	240	sm	61	2.2	3.0	57.5	10,633	300
	300	sm	61	2.4	3.4	65.9	13,343	300
5	1.5	re(rm)	1 (7)	0.8	1.8	13.3	250	1000
	2.5	re(rm)	1 (7)	0.9	1.8	15.0	348	1000
	4	re(rm)	1 (7)	1.0	1.8	16.9	468	1000
	6	re(rm)	1 (7)	1.0	1.8	18.1	591	1000
	10	re(rm)	1 (7)	1.0	1.8	20.3	828	1000
	16	re(rm)	1 (7)	1.0	2.0	25.9	1,331	1000
	25	rm	7	1.2	2.0	29.8	1,918	1000
	35	rm	7	1.2	2.0	33.1	2,491	1000
	50	sm	19	1.4	2.0	38.1	3,427	1000

ELECTRICAL DATA

Number of Cores	Size	Max. DC Resistance at 20°C		Current Carrying Capacity		Approx. Reactance per-Conductor	Short Circuit Current at 1 sec
		Conductor	Insulation	In Ground 30°C	In Air 30°C		
-	mm^2	Ohm/km	M.Ohm.km	A	A	Ohm/km	kA
4	1.5	12.1	62	24	18	0.115	0.17
	2.5	7.41	57	32	25	0.110	0.29
	4	4.61	52	41	34	0.107	0.46
	6	3.08	44	52	44	0.100	0.70
	10	1.83	36	69	60	0.094	1.16
	16	1.15	26	89	80	0.090	1.86
	25	0.727	26	116	105	0.086	2.91
	35	0.524	22	138	130	0.083	4.07
	50	0.387	22	165	160	0.083	5.81
	70	0.268	19	205	200	0.082	8.14
	95	0.193	18	245	245	0.082	11.05
	120	0.153	16	280	285	0.080	13.95
	150	0.124	16	315	325	0.080	17.44
	185	0.0991	16	355	370	0.080	21.51
	240	0.0754	16	415	435	0.079	27.91
	300	0.0601	14	465	500	0.079	34.88
5	1.5	12.1	62	24	18	0.115	0.17
	2.5	7.41	57	32	25	0.110	0.29
	4	4.61	52	41	34	0.107	0.46
	6	3.08	44	52	44	0.100	0.70
	10	1.83	36	69	60	0.094	1.16
	16	1.15	26	89	80	0.090	1.86
	25	0.727	26	116	105	0.086	2.91
	35	0.524	22	138	130	0.083	4.07
	50	0.387	22	165	160	0.083	5.81

NON ARMOURED CABLE (CONTROL CABLE)

Type : NYY - 0.6/1 kV

SNI IEC 60502-1:2009 (SPLN 43-1:1981)

(Copper Conductor , PVC Insulated and PVC Sheathed)

DIMENSIONAL & MECHANICAL DATA

Number of Cores	Size	Conductor		Insulation Thickness	Jacket Thickness	Approx. Overall Diameter	Approx. Net Weight	Standard Reel Length
		Shape	No.of Wire					
-	mm^2	-	-	mm	mm	mm	kg/km	m
7	1.5	re(rm)	1 (7)	0.8	1.8	13.7	304	500
8		re(rm)	1 (7)	0.8	1.8	16.7	348	500
10		re(rm)	1 (7)	0.8	1.8	16.7	372	500
12		re(rm)	1 (7)	0.8	1.8	17.6	471	500
14		re(rm)	1 (7)	0.8	1.8	17.6	485	500
16		re(rm)	1 (7)	0.8	1.8	18.6	580	500
19		re(rm)	1 (7)	0.8	1.8	19.6	599	500
21		re(rm)	1 (7)	0.8	1.8	22.5	681	500
24		re(rm)	1 (7)	0.8	1.8	22.5	744	500
30		re(rm)	1 (7)	0.8	2.0	24.5	903	500
40		re(rm)	1 (7)	0.8	2.0	29.4	1,184	500
52		re(rm)	1 (7)	0.8	2.0	30.4	1,444	500
61		re(rm)	1 (7)	0.8	2.0	32.4	1,681	500
7	2.5	re(rm)	1 (7)	0.9	1.8	15.7	423	500
8		re(rm)	1 (7)	0.9	1.8	18.6	483	500
10		re(rm)	1 (7)	0.9	1.8	18.6	522	500
12		re(rm)	1 (7)	0.9	1.8	20.6	691	500
14		re(rm)	1 (7)	0.9	1.8	20.6	710	500
16		re(rm)	1 (7)	0.9	1.8	21.6	768	500
19		re(rm)	1 (7)	0.9	1.8	24.5	1,001	500
21		re(rm)	1 (7)	0.9	1.8	26.5	1,038	500
24		re(rm)	1 (7)	0.9	1.8	26.5	1,097	500
30		re(rm)	1 (7)	0.9	2.0	28.4	1,295	500
40		re(rm)	1 (7)	0.9	2.0	34.3	1,758	500
52		re(rm)	1 (7)	0.9	2.0	36.3	2,179	500
61		re(rm)	1 (7)	0.9	2.0	38.2	2,512	500

ELECTRICAL DATA

Number of Cores	Size	Max. DC Resistance at 20°C		Current Carrying Capacity		Approx. Reactance per-Conductor	Short Circuit Current at 1 sec
		Conductor	Insulation	In Ground 30°C	In Air 30°C		
(x)	mm^2	Ohm/km	M.Ohm.km	A	A	Ohm/km	kA
7	1.5	12.1	63	14	10	0.108	0.17
8		12.1	63	14	10	0.108	0.17
10		12.1	63	12	9	0.108	0.17
12		12.1	63	12	9	0.108	0.17
14		12.1	63	10	8	0.108	0.17
16		12.1	63	10	8	0.108	0.17
19		12.1	63	9	7	0.108	0.17
21		12.1	63	9	7	0.108	0.17
24		12.1	63	8	6	0.108	0.17
30		12.1	63	8	6	0.108	0.17
40		12.1	63	7	5	0.108	0.17
52		12.1	63	7	5	0.108	0.17
61		12.1	63	6	4	0.108	0.17
7	2.5	7.41	57	19	16	0.104	0.29
8		7.41	57	19	16	0.104	0.29
10		7.41	57	16	13	0.104	0.29
12		7.41	57	16	13	0.104	0.29
14		7.41	57	14	12	0.104	0.29
16		7.41	57	14	12	0.104	0.29
19		7.41	57	12	11	0.104	0.29
21		7.41	57	12	11	0.104	0.29
24		7.41	57	11	10	0.104	0.29
30		7.41	57	11	10	0.104	0.29
40		7.41	57	9	8	0.104	0.29
52		7.41	57	9	8	0.104	0.29
61		7.41	57	8	7	0.104	0.29

NON ARMOURED CABLE (CONTROL CABLE)

Type : NYY - 0.6/1 kV

SNI IEC 60502-1:2009 (SPLN 43-1:1981)

(Copper Conductor , PVC Insulated and PVC Sheathed)

DIMENSIONAL & MECHANICAL DATA

Number of Cores	Size	Conductor		Insulation Thickness	Jacket Thickness	Approx. Overall Diameter	Approx. Net Weight	Standard Reel Length
		Shape	No.of Wire					
-	mm^2	-	-	mm	mm	mm	kg/km	m
7	4	re(rm)	1 (7)	1.0	1.8	17.6	522	500
8		re(rm)	1 (7)	1.0	1.8	22.5	696	500
10		re(rm)	1 (7)	1.0	1.8	22.5	754	500
12		re(rm)	1 (7)	1.0	1.8	22.5	865	500
14		re(rm)	1 (7)	1.0	1.8	23.5	976	500
16		re(rm)	1 (7)	1.0	1.8	25.5	1,116	500
19		re(rm)	1 (7)	1.0	2.0	26.5	1,275	500
21		re(rm)	1 (7)	1.0	2.0	31.4	1,444	500
24		re(rm)	1 (7)	1.0	2.0	31.4	1,594	500
30		re(rm)	1 (7)	1.0	2.0	33.3	1,913	500
40		re(rm)	1 (7)	1.0	2.0	40.2	2,560	500
52		re(rm)	1 (7)	1.0	2.2	42.2	3,203	500
61		re(rm)	1 (7)	1.0	2.2	44.1	3,691	500
7	6	re(rm)	1 (7)	1.0	1.8	18.6	681	500
8		re(rm)	1 (7)	1.0	1.8	23.5	874	500
10		re(rm)	1 (7)	1.0	1.8	23.5	986	500
12		re(rm)	1 (7)	1.0	2.0	24.5	1,169	500
14		re(rm)	1 (7)	1.0	2.0	26.5	1,314	500
16		re(rm)	1 (7)	1.0	2.0	27.5	1,478	500
19		re(rm)	1 (7)	1.0	2.0	29.4	1,681	500
21		re(rm)	1 (7)	1.0	2.0	34.3	1,947	500
24		re(rm)	1 (7)	1.0	2.0	34.3	2,155	500
30		re(rm)	1 (7)	1.0	2.2	35.3	2,594	500
40		re(rm)	1 (7)	1.0	2.2	44.1	3,464	500
52		re(rm)	1 (7)	1.0	2.6	46.0	4,401	500
61		re(rm)	1 (7)	1.0	2.6	49.0	5,087	500

ELECTRICAL DATA

Number of Cores	Size	Max. DC Resistance at 20°C		Current Carrying Capacity		Approx. Reactance per-Conductor	Short Circuit Current at 1 sec
		Conductor	Insulation	In Ground 30°C	In Air 30°C		
-	mm^2	Ohm/km	M.Ohm.km	A	A	Ohm/km	kA
7	4	4.61	52	24	22	0.100	0.46
8		4.61	52	24	22	0.100	0.46
10		4.61	52	20	18	0.100	0.46
12		4.61	52	20	18	0.100	0.46
14		4.61	52	18	17	0.100	0.46
16		4.61	52	18	17	0.100	0.46
19		4.61	52	16	15	0.100	0.46
21		4.61	52	16	15	0.100	0.46
24		4.61	52	14	13	0.100	0.46
30		4.61	52	14	13	0.100	0.46
40		4.61	52	12	11	0.100	0.46
52		4.61	52	12	11	0.100	0.46
61		4.61	52	10	10	0.100	0.46
7	6	3.08	45	31	28	0.094	0.70
8		3.08	45	31	28	0.094	0.70
10		3.08	45	26	24	0.094	0.70
12		3.08	45	26	24	0.094	0.70
14		3.08	45	23	22	0.094	0.70
16		3.08	45	23	22	0.094	0.70
19		3.08	45	20	19	0.094	0.70
21		3.08	45	20	19	0.094	0.70
24		3.08	45	18	17	0.094	0.70
30		3.08	45	18	17	0.094	0.70
40		3.08	45	15	15	0.094	0.70
52		3.08	45	15	15	0.094	0.70
61		3.08	45	13	13	0.094	0.70