



NYRGbY & 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

2 Cores

Nominal cross-sectional area	No of wire and conductor shape		Nominal Thickness			Approximately			Bending radius min	Standard delivery length
			Insulation	Galv. steel wire armour	Outer Sheath	Inner Sheath diameter	Overall Diameter	Net Weight		
mm ²	pcs	-	mm			mm		Kg/Km	mm	m
NYRGbY										
10	7	rm	1.0	0.9	1.8	14.2	21	877	260	1,000
16	7	rm	1.0	0.9	1.8	16.3	23	1,108	280	1,000
25	7	rm	1.2	1.6	1.8	19.7	28	1,778	340	1,000
35	7	rm	1.2	1.6	1.8	22.0	30	2,126	360	1,000
50	19	rm	1.4	1.6	1.8	25.4	33	2,627	400	1,000
70	19	rm	1.4	2.0	1.9	29.0	39	3,572	460	1,000
95	19	rm	1.6	2.0	2.2	33.9	44	4,637	530	1,000
120	37	rm	1.6	2.0	2.3	37.1	47	5,449	570	1,000
150	37	rm	1.8	2.5	2.4	41.0	52	6,859	630	1,000
185	37	rm	2.0	2.5	2.6	45.8	57	8,224	690	1,000
240	61	rm	2.2	2.5	2.8	51.8	64	10,205	770	1,000
300	61	rm	2.4	2.5	2.9	57.7	70	12,282	840	1,000
NYFGbY										
25	7	rm	1.2	0.8	1.8	19.7	26	1,522	320	1,000
35	7	rm	1.2	0.8	1.8	22.0	28	1,857	340	1,000
50	19	rm	1.4	0.8	1.9	25.4	32	2,330	390	1,000
70	19	rm	1.4	0.8	2.0	29.4	36	3,055	440	1,000
95	19	rm	1.6	0.8	2.1	33.9	41	3,943	500	500
120	37	rm	1.6	0.8	2.2	37.1	44	4,681	590	500
150	37	rm	1.8	0.8	2.3	41.4	49	5,670	590	500
185	37	rm	2.0	0.8	2.5	45.8	54	6,849	650	500
240	61	rm	2.2	0.8	2.7	51.8	60	8,679	720	300
300	61	rm	2.4	0.8	2.8	57.7	66	10,577	800	300

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 AIR	In GROUND	
mm ²	Ω/Km	MΩ.Km	A		kA
10	1.83	50	65	77	1.20
16	1.15	40	89	101	1.91
25	0.727	40	119	113	2.96
35	0.524	40	148	158	4.13
50	0.387	30	178	185	5.87
70	0.268	30	228	228	8.19
95	0.193	30	272	277	11.09
120	0.153	30	317	317	13.98
150	0.124	20	371	351	17.46
185	0.0991	20	426	405	21.50
240	0.0754	20	505	467	27.86
300	0.0601	20	584	520	34.79





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DIMENSIONAL & MECHANICAL DATA

3 Cores

Nominal cross-sectional area	No of wire and conductor shape		Nominal Thickness			Approximately			Bending radius min	Standard delivery length
			Insulation	Galv. steel wire armour	Outer Sheath	Inner Sheath diameter	Overall Diameter	Net Weight		
mm ²	pcs	-	mm			mm		Kg/Km	mm	m
NYRGbY										
10	7	rm	1.0	0.9	1.8	15.2	22	1,008	270	1,000
16	7	rm	1.0	0.9	1.8	17.4	24	1,294	290	1,000
25	7	rm	1.2	1.6	1.8	21.1	29	2,089	350	1,000
35	7	rm	1.2	1.6	1.8	23.5	32	2,526	390	1,000
35	19	sm	1.2	1.6	1.8	20.7	29	2,158	350	1,000
50	19	sm	1.4	2.0	2.0	23.5	32	2,692	390	1,000
70	19	sm	1.4	2.0	2.0	26.8	36	3,687	440	1,000
95	19	sm	1.6	2.0	2.3	30.9	41	4,771	500	500
120	37	sm	1.6	2.0	2.4	33.4	43	5,634	520	500
150	37	sm	1.8	2.5	2.5	37.3	49	7,144	590	500
185	37	sm	2.0	2.5	2.7	41.1	53	8,526	640	300
240	37	sm	2.2	2.5	2.9	46.7	59	10,694	710	300
300	37	sm	2.4	2.5	3.1	51.6	64	12,916	770	250
NYFGbY										
25	7	rm	1.2	0.8	1.8	21.1	28	1,811	340	1,000
35	7	rm	1.2	0.8	1.8	23.5	30	2,235	360	1,000
35	19	sm	1.2	0.8	1.8	20.7	27	1,896	330	1,000
50	19	sm	1.4	0.8	1.9	23.5	30	2,391	360	1,000
70	19	sm	1.4	0.8	2.0	26.8	34	3,139	410	1,000
95	19	sm	1.6	0.8	2.2	30.9	38	4,128	460	1,000
120	37	sm	1.6	0.8	2.3	33.4	41	4,939	500	500
150	37	sm	1.8	0.8	2.4	37.3	45	5,972	540	500
185	37	sm	2.0	0.8	2.6	41.1	49	7,271	590	500
240	37	sm	2.2	0.8	2.8	46.7	55	9,298	660	300
300	37	sm	2.4	0.8	3.0	51.6	60	11,384	720	300

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	
	Ω/Km	MΩ.Km	A		kA
mm ²					
10	1.83	50	59	68	1.20
16	1.15	50	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	0.193	30	242	242	11.09
120	0.153	30	282	282	13.98
150	0.124	20	322	312	17.46
185	0.0991	20	366	351	21.50
240	0.0754	20	430	411	27.86
300	0.0601	20	595	460	34.79





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

DIMENSIONAL & MECHANICAL DATA

3Cores + 1 ground

Nominal cross-sectional area	No of wire and conductor shape		Nominal Thickness			Approximately			Bending radius min	Standard delivery length
			Insulation	Galv. steel wire armour	Outer Sheath	Inner Sheath diameter	Overall Diameter	Net Weight		
mm ²	pcs	-	mm			mm		Kg/Km	mm	m
NYRGbY										
3 x 50 + 25	19/7	sm/rm	1.4/1.2	2.0	2.0	27.4	37	1,420	450	1,000
3 x 70 + 35	19/7	sm/rm	1.4/1.2	2.0	2.1	31.2	41	4,369	500	1,000
3 x 95 + 50	19/19	sm/rm	1.6/1.4	2.0	2.2	35.2	45	5,545	540	500
3 x 120 + 70	37/19	sm/rm	1.6/1.4	2.5	2.3	39.0	50	7,105	600	500
3 x 150 + 70	37/19	sm/rm	1.8/1.4	2.5	2.5	43.4	55	8,316	660	500
3 x 185 + 95	37/19	sm/rm	2.0/1.6	2.5	2.6	47.2	59	9,986	710	300
3 x 240 + 120	37/37	sm/rm	2.2/1.6	2.5	2.8	53.5	65	12,477	780	300
3 x 300 + 150	37/37	sm/rm	2.4/1.8	2.5	3.0	58.9	71	15,026	860	250
NYFGbY										
3 x 50 + 25	19/7	sm/rm	1.4/1.2	0.8	2.0	27.4	34	2,847	410	1,000
3 x 70 + 35	19/7	sm/rm	1.4/1.2	0.8	2.1	31.2	38	3,746	460	1,000
3 x 95 + 50	19/19	sm/rm	1.6/1.4	0.8	2.2	35.2	42	4,848	510	500
3 x 120 + 70	37/19	sm/rm	1.6/1.4	0.8	2.3	39.0	46	5,971	560	500
3 x 150 + 70	37/19	sm/rm	1.8/1.4	0.8	2.5	43.4	51	7,061	620	500
3 x 185 + 95	37/19	sm/rm	2.0/1.6	0.8	2.6	47.2	55	8,584	660	500
3 x 240 + 120	37/37	sm/rm	2.2/1.6	0.8	2.8	53.5	62	10,927	750	500
3 x 300 + 150	37/37	sm/rm	2.4/1.8	0.8	3.0	58.9	68	13,340	820	200

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	
3 x 50 + 25	0.387/0.727	30	158	163	5.87
3 x 70 + 35	0.268/0.524	30	198	203	8.19
3 x 95 + 50	0.193/0.387	30	242	242	11.09
3 x 120 + 70	0.153/0.268	30	282	282	13.98
3 x 150 + 70	0.124/0.268	20	322	312	17.46
3 x 185 + 95	0.0991/0.193	20	366	351	21.50
3 x 240 + 120	0.0754/0.153	20	430	411	27.86
3 x 300 + 150	0.0601/0.124	20	495	460	34.79





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DIMENSIONAL & MECHANICAL DATA

4 Cores

Nominal cross-sectional area	No of wire and conductor shape		Nominal Thickness			Approximately			Bending radius min	Standard delivery length
			Insulation	Galv. steel wire armour	Outer Sheath	Inner Sheath diameter	Overall Diameter	Net Weight		
mm ²	pcs	-	mm			mm		Kg/Km	mm	m
NYRGbY										
10	7	rm	1.0	0.9	1.8	16.7	23	1,177	280	1,000
16	7	rm	1.0	1.6	1.8	19.3	27	1,807	330	1,000
25	7	rm	1.2	1.6	1.8	23.4	32	2,467	390	1,000
35	7	rm	1.2	1.6	1.9	26.1	34	3,021	410	1,000
35	19	sm	1.2	1.6	1.9	24.0	32	2,741	390	1,000
50	19	sm	1.4	2.0	2.1	27.8	37	3,731	450	1,000
70	19	sm	1.4	2.0	2.2	31.2	41	4,730	500	1,000
95	19	sm	1.6	2.5	2.4	35.2	46	6,427	560	500
120	37	sm	1.6	2.5	2.5	39.0	50	7,667	600	500
150	37	sm	1.8	2.5	2.7	43.4	55	9,168	660	500
185	37	sm	2.0	2.5	2.9	47.6	60	11,034	720	500
240	37	sm	2.2	2.5	3.1	53.5	66	13,817	600	500
300	37	sm	2.4	2.5	3.3	58.9	72	16,702	870	200
NYFGbY										
16	7	rm	1.0	0.8	1.8	19.3	26	1,567	320	1,000
25	7	sm	1.2	0.8	1.8	23.4	30	2,176	360	1,000
35	7	rm	1.2	0.8	1.9	26.1	33	2,691	400	1,000
35	19	sm	1.2	0.8	1.9	24.0	31	2,433	380	1,000
50	19	sm	1.4	0.8	2.0	27.8	35	3,141	420	1,000
70	19	sm	1.4	0.8	2.1	31.2	38	4,086	460	1,000
95	19	sm	1.6	0.8	2.3	35.2	43	5,352	520	500
120	37	sm	1.6	0.8	2.4	39.0	47	6,506	570	500
150	37	sm	1.8	0.8	2.6	43.4	51	7,885	620	500
185	37	sm	2.0	0.8	2.8	47.8	56	9,624	680	500
240	37	sm	2.2	0.8	3.0	53.5	62	12,232	750	500
300	37	sm	2.4	0.8	3.2	58.9	68	14,978	820	200



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 GROUND		
			In AIR	A	
mm ²	Ω/Km	MΩ.Km	A		kA
10	1.83	50	59	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	0.193	30	242	242	11.09
120	0.153	30	282	282	13.98
150	0.124	20	322	312	17.46
185	0.0991	20	366	351	21.50
240	0.0754	20	430	411	27.86
300	0.0601	20	595	460	34.79



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

DIMENSIONAL & MECHANICAL DATA

5 Cores

Nominal cross-sectional area	No of wire and conductor shape		Nominal Thickness			Approximately			Bending radius min	Standard delivery length
			Insulation	Galv. steel wire armour	Outer Sheath	Inner Sheath diameter	Overall Diameter	Net Weight		
mm ²	pcs	-	mm			mm		Kg/Km	mm	m
NYRGbY										
10	7	rm	1.0	1.6	1.8	18.5	27	1,649	330	1,000
16	7	rm	1.0	1.6	1.9	21.3	30	2,124	360	1,000
25	7	rm	1.2	1.6	2.0	25.9	34	2,929	410	1,000
35	7	rm	1.2	2.0	2.0	28.9	38	3,820	460	1,000
50	19	rm	1.4	2.0	2.1	34.0	43	4,877	520	1,000
NYFGbY										
16	7	rm	1.0	0.8	1.8	21.3	280	1,830	340	1,000
25	7	rm	1.2	0.8	1.9	25.9	330	2,589	400	1,000
35	7	rm	1.2	0.8	2.0	28.9	360	3,248	440	1,000
50	19	rm	1.4	0.8	2.1	34.0	410	4,205	500	1,000

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	
10	1.83	50	59	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



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DIMENSIONAL & MECHANICAL DATA

Control cable 1.5 mm²

No of cores	No of wire and conductor shape		Nominal Thickness			Approximately			Bending radius min	Standard delivery length
			Insulation	Galv. steel wire armour	Outer Sheath	Inner Sheath diameter	Overall Diameter	Net Weight		
pcs	pcs	-	mm			mm		Kg/Km	mm	m
NYRGbY										
7	1	re	0.8	0.9	1.8	11.4	18	578	220	500
7	7	rm	0.8	0.9	1.8	11.8	18	595	220	500
8	1	re	0.8	0.9	1.8	12.4	19	629	230	500
8	7	rm	0.8	0.9	1.8	12.8	19	651	230	500
10	1	re	0.8	0.9	1.8	14.5	21	740	260	500
10	7	rm	0.8	0.9	1.8	15.0	22	766	270	500
12	1	re	0.8	0.9	1.8	14.9	21	801	260	500
12	7	rm	0.8	0.9	1.8	15.5	22	828	270	500
14	1	re	0.8	0.9	1.8	15.7	22	871	270	500
14	7	rm	0.8	0.9	1.8	16.3	23	901	280	500
16	1	re	0.8	0.9	1.8	16.6	23	953	280	500
16	7	rm	0.8	0.9	1.8	17.3	24	984	290	500
19	1	re	0.8	1.6	1.8	17.5	26	1,329	320	500
19	7	rm	0.8	1.6	1.8	18.2	26	1,372	320	500
21	1	re	0.8	1.6	1.8	18.4	27	1,422	330	500
21	7	rm	0.8	1.6	1.8	19.2	27	1,467	330	500
24	1	re	0.8	1.6	1.8	20.5	29	1,591	350	500
24	7	rm	0.8	1.6	1.8	21.4	29	1,640	350	500
30	1	re	0.8	1.6	1.8	21.8	30	1,777	360	500
30	7	rm	0.8	1.6	1.8	22.7	31	1,831	380	500
40	1	re	0.8	2.0	1.9	24.5	34	2,342	410	500
40	7	rm	0.8	2.0	1.9	25.5	35	2,414	420	500
52	1	re	0.8	2.0	2.1	28.3	38	2,860	460	500
52	7	rm	0.8	2.0	2.1	29.5	39	2,971	470	500
61	1	re	0.8	2.0	2.1	30.1	40	3,169	480	500
61	7	rm	0.8	2.0	2.1	31.3	41	3,288	500	500
NYFGbY										
21	1	re	0.8	0.8	1.8	18.4	25	1,173	300	500
21	7	rm	0.8	0.8	1.8	19.2	26	1,227	320	500
24	1	re	0.8	0.8	1.8	20.5	27	1,329	330	500
24	7	rm	0.8	0.8	1.8	21.4	28	1,362	340	500
30	1	re	0.8	0.8	1.8	21.8	28	1,483	340	500
30	7	rm	0.8	0.8	1.8	22.7	29	1,547	350	500
40	1	re	0.8	0.8	1.9	24.5	31	1,819	380	500
40	7	rm	0.8	0.8	1.9	25.5	32	1,892	390	500
52	1	re	0.8	0.8	2.0	28.3	35	2,270	420	500
52	7	rm	0.8	0.8	2.0	29.5	36	2,356	440	500
61	1	re	0.8	0.8	2.1	30.1	37	2,546	450	500
61	7	rm	0.8	0.8	2.1	31.3	38	2,640	460	500

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 AIR	In GROUND	
pcs	Ω/Km	MΩ.Km	A		kA
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
50	12.1	50	5	7	0.19
61	12.1	50	4	6	0.19

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DIMENSIONAL & MECHANICAL DATA

Control cable 2.5 mm²

No of cores	No of wire and conductor shape		Nominal Thickness			Approximately			Bending radius min	Standard delivery length
			Insulation	Galv. steel wire armour	Outer Sheath	Inner Sheath diameter	Overall Diameter	Net Weight		
pcs	pcs	-	mm			mm		Kg/Km	mm	m
NYRGbY										
7	1	re	0.8	0.9	1.8	12.6	19	684	230	500
7	7	rm	0.8	0.9	1.8	13.3	20	723	240	500
8	1	re	0.8	0.9	1.8	13.5	20	747	240	500
8	7	rm	0.8	0.9	1.8	14.4	21	794	260	500
10	1	re	0.8	0.9	1.8	16.0	22	891	270	500
10	7	rm	0.8	0.9	1.8	16.9	23	946	280	500
12	1	re	0.8	0.9	1.8	16.5	23	972	280	500
12	7	rm	0.8	0.9	1.8	17.5	24	1,033	290	500
14	1	re	0.8	1.6	1.8	17.4	25	1,356	320	500
14	7	rm	0.8	1.6	1.8	18.5	27	1,442	330	500
16	1	re	0.8	1.6	1.8	18.4	26	1,480	320	500
16	7	rm	0.8	1.6	1.8	19.5	28	1,572	340	500
19	1	re	0.8	1.6	1.8	19.4	28	1,616	340	500
19	7	rm	0.8	1.6	1.8	20.3	29	1,717	350	500
21	1	re	0.8	1.6	1.8	20.4	29	1,714	350	500
21	7	rm	0.8	1.6	1.8	21.7	30	1,838	360	500
24	1	re	0.8	1.6	1.9	22.8	31	1,950	380	500
24	7	rm	0.8	1.6	1.9	24.3	33	2,068	400	500
30	1	re	0.8	1.6	1.9	24.2	33	2,199	400	500
30	7	rm	0.8	1.6	1.9	25.8	34	2,350	410	500
40	1	re	0.8	2.0	2.1	27.3	37	2,916	450	500
40	7	rm	0.8	2.0	2.1	29.0	39	3,099	470	500
52	1	re	0.8	2.0	2.2	31.5	41	3,585	500	500
52	7	rm	0.8	2.0	2.2	33.5	43	3,831	520	500
61	1	re	0.8	2.0	2.3	33.5	43	4,008	520	500
61	7	rm	0.8	2.0	2.3	35.7	46	4,280	560	500
NYFGbY										
16	1	re	0.8	0.8	1.8	18.4	25	1,231	300	500
16	7	rm	0.8	0.8	1.8	19.5	26	1,316	320	500
19	1	re	0.8	0.8	1.8	19.4	26	1,360	320	500
19	7	rm	0.8	0.8	1.8	20.6	27	1,455	330	500
21	1	re	0.8	0.8	1.8	20.4	27	1,468	330	500
21	7	rm	0.8	0.8	1.8	21.7	28	1,544	340	500
24	1	re	0.8	0.8	1.8	22.8	29	1,633	350	500
24	7	rm	0.8	0.8	1.8	24.3	31	1,745	380	500
30	1	re	0.8	0.8	1.9	24.2	31	1,891	380	500
30	7	rm	0.8	0.8	1.9	25.8	33	2,019	400	500
40	1	re	0.8	0.8	2.0	27.3	34	2,326	410	500
40	7	rm	0.8	0.8	2.0	29.0	36	2,509	440	500
52	1	re	0.8	0.8	2.1	31.5	39	2,916	470	500
52	7	rm	0.8	0.8	2.1	33.5	41	3,137	500	500
61	1	re	0.8	0.8	2.2	33.5	41	3,315	500	500
61	7	rm	0.8	0.8	2.2	35.7	43	3,536	520	500

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 GROUND		
			In AIR	In GROUND	
pcs	Ω/Km	MΩ.Km	A		kA
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
50	7.41	50	8	9	0.32
61	7.41	50	7	8	0.32



NYRGbY & 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

Control cable 4 mm²

No of cores	No of wire and conductor shape		Nominal Thickness			0.9			Bending radius min	Standard delivery length
			Insulation	Galv. steel wire armour	Outer Sheath	Inner Sheath diameter	Overall Diameter	Net Weight		
pcs	pcs	-	mm			mm		Kg/Km	mm	m
NYRGbY										
7	1	re	1.0	0.9	1.8	15.2	22	903	270	500
7	7	rm	1.0	0.9	1.8	16.2	23	962	280	500
8	1	re	1.0	1.6	1.8	16.5	25	1,287	300	500
8	7	rm	1.0	1.6	1.8	17.6	26	1,355	320	500
10	1	re	1.0	1.6	1.8	19.5	28	1,524	340	500
10	7	rm	1.0	1.6	1.8	20.8	29	1,621	350	500
12	1	re	1.0	1.6	1.8	20.2	28	1,654	340	500
12	7	rm	1.0	1.6	1.8	21.5	30	1,760	360	500
14	1	re	1.0	1.6	1.9	21.3	30	1,823	360	500
14	7	rm	1.0	1.6	1.9	22.7	31	1,939	380	500
16	1	re	1.0	1.6	1.9	22.6	31	1,998	380	500
16	7	rm	1.0	1.6	1.9	24.0	32	2,140	390	500
19	1	re	1.0	1.6	1.9	23.9	32	2,189	390	500
19	7	rm	1.0	1.6	1.9	25.4	34	2,345	410	500
21	1	re	1.0	1.6	2.0	25.2	34	2,373	410	500
21	7	rm	1.0	1.6	2.0	26.8	35	2,539	420	500
24	1	re	1.0	2.0	2.1	28.6	38	2,974	460	500
24	7	rm	1.0	2.0	2.1	30.4	40	3,162	480	500
30	1	re	1.0	2.0	2.2	30.4	40	3,386	480	500
0	7	rm	1.0	2.0	2.2	32.4	42	3,627	510	500
40	1	re	1.0	2.0	2.3	34.2	44	4,146	530	500
40	7	rm	1.0	2.0	2.3	36.5	46	4,435	560	500
52	1	re	1.0	2.5	2.5	39.4	51	5,537	620	500
52	7	rm	1.0	2.5	2.5	42.0	53	5,931	640	500
61	1	re	1.0	2.5	2.6	40.0	53	6,196	660	500
61	7	rm	1.0	2.5	2.6	44.7	56	6,633	680	500
NYFGbY										
10	1	re	1.0	0.8	1.8	19.5	26	1,269	320	500
10	7	rm	1.0	0.8	1.8	20.8	27	1,359	330	500
12	1	re	1.0	0.8	1.8	20.2	27	1,385	330	500
12	7	rm	1.0	0.8	1.8	21.5	28	1,481	340	500
14	1	re	1.0	0.8	1.8	21.3	28	1,530	340	500
14	7	rm	1.0	0.8	1.8	22.7	29	1,639	350	500
16	1	re	1.0	0.8	1.8	22.6	29	1,697	350	500
16	7	rm	1.0	0.8	1.8	24.0	31	1,816	380	500
19	1	re	1.0	0.8	1.9	23.9	30	1,897	380	500
19	7	rm	1.0	0.8	1.9	25.4	32	2,030	390	500
21	1	re	1.0	0.8	1.9	25.2	32	2,049	390	500
21	7	rm	1.0	0.8	1.9	26.8	34	2,192	410	500
24	1	re	1.0	0.8	2.0	28.6	35	2,359	420	500
24	7	rm	1.0	0.8	2.0	30.4	37	2,547	450	500
30	1	re	1.0	0.8	2.1	30.4	37	2,768	450	500
30	7	rm	1.0	0.8	2.1	32.4	39	2,959	470	500
40	1	re	1.0	0.8	2.2	34.2	41	3,427	500	500
40	7	rm	1.0	0.8	2.2	36.5	44	3,692	530	500
52	1	re	1.0	0.8	2.4	39.4	47	4,337	570	500
52	7	rm	1.0	0.8	2.4	42.0	50	4,663	600	500
61	1	re	1.0	0.8	2.5	40.0	50	4,929	600	500
61	7	rm	1.0	0.8	2.5	44.7	53	5,298	640	500

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					
7	4.61	50	22	24	0.50
8	4.61	50	22	24	0.50
10	4.61	50	18	20	0.50
12	4.61	50	18	20	0.50
14	4.61	50	17	18	0.50
16	4.61	50	17	18	0.50
19	4.61	50	15	16	0.50
21	4.61	50	15	16	0.50
24	4.61	50	13	14	0.50
30	4.61	50	13	14	0.50
40	4.61	50	11	12	0.50
50	4.61	50	11	12	0.50
61	4.61	50	10	11	0.50

NYRGbY & 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

Control cable 6 mm²



No of cores	No of wire and conductor shape		Nominal Thickness			Approximately			Bending radius min	Standard delivery length
			Insulation	Galv. steel wire armour	Outer Sheath	Inner Sheath diameter	Overall Diameter	Net Weight		
pcs	pcs	-	mm			mm		Kg/Km	mm	m
NYRGbY										
7	1	re	1.0	1.6	1.8	16.7	25	1,371	300	500
7	7	rm	1.0	1.6	1.8	17.8	26	1,461	320	500
8	1	re	1.0	1.6	1.8	18.1	26	1,500	320	500
8	7	rm	1.0	1.6	1.8	19.4	27	1,613	330	500
10	1	re	1.0	1.6	1.8	21.5	30	1,798	360	500
10	7	rm	1.0	1.6	1.8	22.9	31	1,926	380	500
12	1	re	1.0	1.6	1.9	22.2	31	1,999	380	500
12	7	rm	1.0	1.6	1.9	23.7	32	2,123	390	500
14	1	re	1.0	1.6	1.9	23.4	32	2,194	390	500
14	7	rm	1.0	1.6	1.9	25.1	33	2,347	400	500
16	1	re	1.0	1.6	2.0	24.8	33	2,418	400	500
16	7	rm	1.0	1.6	2.0	26.6	35	2,584	420	500
19	1	re	1.0	1.6	2.0	26.3	35	2,685	420	500
19	7	rm	1.0	1.6	2.0	28.1	37	2,869	450	500
21	1	re	1.0	2.0	2.1	28.1	38	3,186	460	500
21	7	rm	1.0	2.0	2.1	30.1	40	3,413	480	500
24	1	re	1.0	2.0	2.2	31.5	41	3,612	500	500
24	7	rm	1.0	2.0	2.2	33.7	43	3,861	520	500
30	1	re	1.0	2.0	2.3	33.4	43	4,167	520	500
30	7	rm	1.0	2.0	2.3	35.8	46	4,452	560	500
40	1	re	1.0	2.5	2.5	38.1	49	5,580	590	500
40	7	rm	1.0	2.5	2.5	40.8	52	6,011	630	500
52	1	re	1.0	2.5	2.7	43.4	55	6,830	660	500
52	7	rm	1.0	2.5	2.7	46.6	58	7,337	700	500
61	1	re	1.0	2.5	2.8	46.3	58	7,711	700	500
61	7	rm	1.0	2.5	2.8	49.6	61	8,233	740	500
NYFGbY										
8	1	re	1.0	0.8	1.8	18.1	25	1,267	300	500
8	7	rm	1.0	0.8	1.8	19.4	26	1,358	320	500
10	1	re	1.0	0.8	1.8	21.5	28	1,520	340	500
10	7	rm	1.0	0.8	1.8	22.9	29	1,626	350	500
12	1	re	1.0	0.8	1.8	22.2	29	1,698	350	500
12	7	rm	1.0	0.8	1.8	23.7	30	1,816	360	500
14	1	re	1.0	0.8	1.8	23.4	30	1,886	360	500
14	7	rm	1.0	0.8	1.8	25.1	32	2,016	390	500
16	1	re	1.0	0.8	1.9	24.8	32	2,111	390	500
16	7	rm	1.0	0.8	1.9	26.6	33	2,253	400	500
19	1	re	1.0	0.8	2.0	26.3	33	2,364	400	500
19	7	rm	1.0	0.8	2.0	28.1	35	2,525	420	500
21	1	re	1.0	0.8	2.0	28.1	35	2,596	420	500
21	7	rm	1.0	0.8	2.0	30.1	37	2,772	450	500
24	1	re	1.0	0.8	2.1	31.5	39	2,943	470	500
24	7	rm	1.0	0.8	2.1	33.7	41	3,167	500	500
30	1	re	1.0	0.8	2.2	33.4	41	3,474	500	500
30	7	rm	1.0	0.8	2.2	35.8	43	3,708	520	500
40	1	re	1.0	0.8	2.3	38.1	46	4,411	560	500
40	7	rm	1.0	0.8	2.3	40.8	48	4,735	580	500
52	1	re	1.0	0.8	2.5	43.4	51	5,523	620	500
52	7	rm	1.0	0.8	2.5	46.6	54	5,922	650	500
61	1	re	1.0	0.8	2.6	46.3	54	6,294	650	500
61	7	rm	1.0	0.8	2.6	49.6	58	6,746	700	500

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 GROUND		
			Ω/Km	MΩ.Km	In AIR
7	3.08	50	28	30	0.73
8	3.08	50	28	30	0.73
10	3.08	50	24	26	0.73
12	3.08	50	24	26	0.73
14	3.08	50	22	23	0.73
16	3.08	50	22	23	0.73
19	3.08	50	19	20	0.73
21	3.08	50	19	20	0.73
24	3.08	50	17	18	0.73
30	3.08	50	17	18	0.73
40	3.08	50	15	16	0.73
50	3.08	50	15	16	0.73
61	3.08	50	13	14	0.73