

NYY 1 x (1.5-500) mm² 0.6/1 kV

Cu / PVC / PVC

(Copper Conductor, PVC Insulated, PVC Sheathed)

Standard Specification : SPLN 43-1

Construction Data

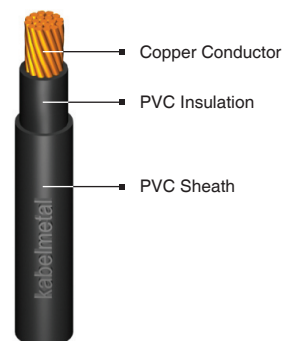
Nom. Cross Section Area	Overall Diameter	Cable Weight
	approx.	approx.
mm ²	mm	kg/km
1.5	6.1	53
2.5	6.6	67
4	7.6	94
6	8.1	117
10	9.1	166
16	10.1	229
25	11.9	345
35	13.0	444
50	15.0	600
70	16.7	807
95	19.1	1,079
120	21.0	1,316
150	23.0	1,604
185	25.5	2,020
240	29.0	2,636
300	32.0	3,219
400	35.5	4,087
500	39.5	5,213

Application :

Power cable : Indoors, cable trunking, outdoors and buried in the ground, for power stations, industry and switchgear as well as for urban supply networks, if mechanical damage is unlikely.

Special Features on Request :

- Fire Resistance
- Oil Resistance
- UV Resistance
- Flame Retardant Cat. A, B, C
- Flame Retardant Non Category
- Heat Resistance
- Anti Termite
- Anti Rodent
- Low Smoke Zero Halogen
- Nylon Coated



Note :

Conductor Shape

1.5 - 10 sqmm supplied in solid (re) or non compacted circular stranded (rm) conductor shape
 16 sqmm supplied in non compact circular stranded (rm) conductor shape
 25 - 500 sqmm supplied in non compact circular stranded (rm) or compacted circular stranded (cm) conductor shape

Standard Packing

1.5 - 10 sqmm supplied in coil @ 100 m
 16 - 300 sqmm supplied in wooden drum @ 1000 m
 400 - 500 sqmm will be supplied in wooden drum on available length
 Length Tolerance per drum ± 2%

Electrical Data

Nom. Cross Sect. (mm ²)	Conductor		Insulation	Inductance		Current - Carrying Capacity at 30° C				Short circuit current at 1 sec Max. (kA)
	DC Resistance at 20°C Max. (Ω/km)	AC Resistance at 70°C Max. (Ω/km)	Insulation Resistance at 20°C Min. (M.Ω.km)	Trefoil formation	Flat formation	⊗⊗⊗		⊙⊙⊙		
				(mH/km)	(mH/km)	in air	in ground	in air	in ground	
1.5	12.1	14.478	50	0.459	0.505	21	27	21	28	0.17
2.5	7.41	8.866	50	0.423	0.470	27	35	28	36	0.29
4	4.61	5.516	50	0.404	0.450	37	46	38	47	0.46
6	3.08	3.685	50	0.380	0.426	46	57	48	59	0.69
10	1.83	2.190	50	0.350	0.396	64	76	65	78	1.15
16	1.15	1.376	40	0.327	0.374	84	98	87	101	1.84
25	0.727	0.870	40	0.312	0.358	114	127	117	130	2.88
35	0.524	0.627	40	0.299	0.345	140	152	144	156	4.03
50	0.387	0.464	30	0.290	0.336	172	180	177	185	5.75
70	0.268	0.321	30	0.278	0.324	218	221	224	227	8.05
95	0.193	0.232	30	0.274	0.321	270	264	278	271	10.93
120	0.153	0.184	30	0.267	0.313	315	300	324	309	13.80
150	0.124	0.150	20	0.266	0.313	362	336	373	346	17.25
185	0.0991	0.121	20	0.264	0.310	420	379	433	391	21.28
240	0.0754	0.093	20	0.261	0.307	503	439	518	453	27.60
300	0.0601	0.075	20	0.258	0.305	580	494	598	510	34.50
400	0.0470	0.061	20	0.256	0.302	674	558	695	577	41.20
500	0.0366	0.049	20	0.252	0.299	781	629	806	650	51.50

NYY 2 x (1.5-300) mm² 0.6/1 kV

Cu / PVC / PVC

(Copper Conductor, PVC Insulated, PVC Sheathed)

Standard Specification : SPLN 43-1

Construction Data

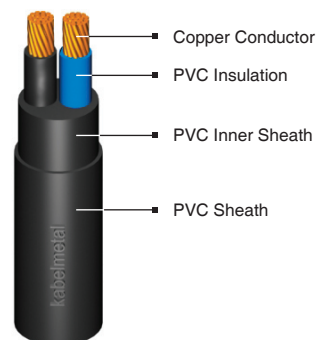
Nom. Cross Section Area	Overall Diameter	Cable Weight
	approx.	approx.
mm ²	mm	kg/km
1.5	12.5	200
2.5	13.4	242
4	15.4	330
6	16.5	399
10	18.4	538
16	20.5	713
25	24.0	1,001
35	26.0	1,274
50	29.5	1,536
70	33.0	2,066
95	37.5	2,787
120	41.0	3,371
150	45.0	4,114
185	50.0	5,128
240	56.0	6,581
300	62.0	8,130

Application :

Power cable : Indoors, cable trunking, outdoors and buried in the ground, for power stations, industry and switchgear as well as for urban supply networks, if mechanical damage is unlikely.

Special Features on Request :

- Fire Resistance
- Oil Resistance
- UV Resistance
- Flame Retardant Cat. A, B, C
- Flame Retardant Non Category
- Heat Resistance
- Anti Termite
- Anti Rodent
- Low Smoke Zero Halogen
- Nylon Coated



Note :

Conductor Shape

1.5 - 10 sqmm supplied in solid (re) or non compacted circular stranded (rm) conductor shape

16 sqmm supplied in non compacted circular stranded (rm) conductor shape

25 - 300 sqmm supplied in compacted circular stranded (cm) conductor shape

Standard Packing

1.5 - 120 sqmm supplied in wooden drum @ 1000 m

150 - 300 sqmm will be supplied in wooden drum on available length

Length Tolerance per drum ± 2%

Electrical Data

Nom. Cross Sect. (mm ²)	Conductor		Insulation	Inductance (mH/km)	Current - Carrying Capacity at 30°C *		Short circuit current at 1 sec (kA)
	DC Resistance at 20°C	AC Resistance at 70°C	Insulation Resistance at 20°C		in air	in ground	
	Max. (Ω/km)	Max. (Ω/km)	Min. (M.Ω.km)				
1.5	12.1	14.478	50	0.328	21	27	0.17
2.5	7.41	8.866	50	0.304	29	36	0.29
4	4.61	5.516	50	0.303	38	47	0.46
6	3.08	3.685	50	0.288	48	59	0.69
10	1.83	2.190	50	0.269	66	78	1.15
16	1.15	1.376	40	0.255	90	102	1.84
25	0.727	0.870	40	0.255	120	134	2.88
35	0.524	0.627	40	0.246	150	160	4.03
50	0.387	0.464	30	0.247	180	187	5.75
70	0.268	0.321	30	0.238	230	230	8.05
95	0.193	0.232	30	0.238	275	280	10.93
120	0.153	0.184	30	0.233	320	320	13.80
150	0.124	0.150	20	0.233	375	355	17.25
185	0.0991	0.121	20	0.233	430	409	21.28
240	0.0754	0.093	20	0.232	510	472	27.60
300	0.0601	0.075	20	0.231	590	525	34.50

NYY 3 x (1.5-400) mm² 0.6/1 kV

Cu / PVC / PVC

(Copper Conductor, PVC Insulated, PVC Sheathed)

Standard Specification : SPLN 43-1

Construction Data

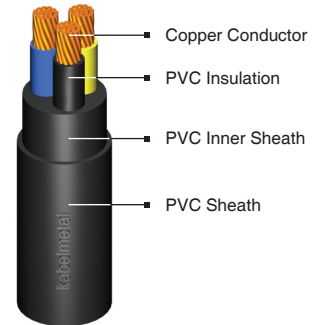
Nom. Cross Section Area	Overall Diameter	Cable Weight
	approx.	approx.
mm ²	mm	kg/km
1.5	13.0	224
2.5	14.0	277
4	16.1	383
6	17.3	471
10	19.4	649
16	22.0	875
25	25.0	1,248
35	27.5	1,606
50	30.0	1,857
70	34.0	2,556
95	38.5	3,428
120	41.5	4,152
150	46.0	5,115
185	50.5	6,330
240	57.0	8,215
300	62.5	10,116
400	69.0	12,765

Application :

Power cable : Indoors, cable trunking, outdoors and buried in the ground, for power stations, industry and switchgear as well as for urban supply networks, if mechanical damage is unlikely.

Special Features on Request :

- Fire Resistance
- Oil Resistance
- UV Resistance
- Flame Retardant Cat. A, B, C
- Flame Retardant Non Category
- Heat Resistance
- Anti Termite
- Anti Rodent
- Low Smoke Zero Halogen
- Nylon Coated



Note :

Conductor Shape

1.5 - 10 sqmm supplied in solid (re) or non compacted circular stranded (rm) conductor shape

16 sqmm supplied in non compacted circular stranded (rm) conductor shape

25 - 35 sqmm supplied in compacted circular stranded (cm) conductor shape

50 - 400 sqmm supplied in sector shaped stranded (sm) conductor

Standard Packing

1.5 - 95 sqmm supplied in wooden drum @ 1000 m

120 - 400 sqmm will be supplied in wooden drum on available length

Length Tolerance per drum ± 2%

Electrical Data

Nom. Cross Sect. (mm ²)	Conductor		Insulation	Inductance (mH/km)	Current - Carrying Capacity at 30°C *		Short circuit current at 1 sec (kA)
	DC Resistance at 20°C	AC Resistance at 70°C	Insulation Resistance at 20°C		in air	in ground	
	Max. (Ω/km)	Max. (Ω/km)	Min. (M.Ω.km)	Max. (A)	Max. (A)		
1.5	12.1	14.478	50	0.328	18	24	0.17
2.5	7.41	8.866	50	0.304	25	32	0.29
4	4.61	5.516	50	0.303	34	41	0.46
6	3.08	3.685	50	0.288	44	52	0.69
10	1.83	2.190	50	0.269	60	69	1.15
16	1.15	1.376	40	0.255	80	89	1.84
25	0.727	0.870	40	0.255	105	116	2.88
35	0.524	0.627	40	0.246	130	138	4.03
50	0.387	0.464	30	0.247	160	165	5.75
70	0.268	0.321	30	0.238	200	205	8.05
95	0.193	0.232	30	0.238	245	245	10.93
120	0.153	0.184	30	0.233	285	285	13.80
150	0.124	0.150	20	0.233	325	315	17.25
185	0.0991	0.121	20	0.233	370	355	21.28
240	0.0754	0.093	20	0.232	435	415	27.60
300	0.0601	0.075	20	0.231	500	465	34.50
400	0.0470	0.060	20	0.229	600	535	41.20

NYY 4 x (1.5-400) mm² 0.6/1 kV

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Construction Data

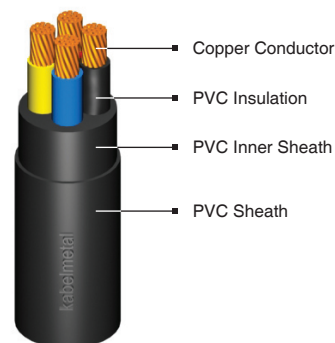
Nom. Cross Section Area	Overall Diameter	Cable Weight
	approx.	approx.
mm ²	mm	kg/km
1.5	13.8	259
2.5	15.0	324
4	17.3	453
6	18.7	563
10	21.5	794
16	23.5	1,083
25	27.5	1,558
35	30.0	2,018
50	34.0	2,466
70	37.5	3,334
95	43.5	4,491
120	48.5	5,504
150	52.0	6,787
185	57.5	8,333
240	64.5	10,818
300	72.5	13,326
400	82.5	16,969

Application :

Power cable : Indoors, cable trunking, outdoors and buried in the ground, for power stations, industry and switchgear as well as for urban supply networks, if mechanical damage is unlikely.

Special Features on Request :

- Fire Resistance
- Oil Resistance
- UV Resistance
- Flame Retardant Cat. A, B, C
- Flame Retardant Non Category
- Heat Resistance
- Anti Termite
- Anti Rodent
- Low Smoke Zero Halogen
- Nylon Coated



Note :

Conductor Shape

1.5 - 10 sqmm supplied in solid (re) or non compacted circular stranded (rm) conductor shape

16 sqmm supplied in non compacted circular stranded (rm) conductor shape

25 - 35 sqmm supplied in compacted circular stranded (cm) conductor shape

50 - 400 sqmm supplied in sector shaped stranded (sm) conductor

Standard Packing

1.5 - 70 sqmm supplied in wooden drum @ 1000 m

95 - 400 sqmm will be supplied in wooden drum on available length

Length Tolerance per drum ± 2%

Electrical Data

Nom. Cross Sect. (mm ²)	Conductor		Insulation	Inductance (mH/km)	Current - Carrying Capacity at 30°C *		Short circuit current at 1 sec (kA)
	DC Resistance at 20°C (Ω/km)	AC Resistance at 70°C (Ω/km)	Insulation Resistance at 20°C (M.Ω.km)		Capacity		
					in air (A)	in ground (A)	
1.5	12.1	14.478	50	0.328	18	24	0.17
2.5	7.41	8.866	50	0.304	25	32	0.29
4	4.61	5.516	50	0.303	34	41	0.46
6	3.08	3.685	50	0.288	44	52	0.69
10	1.83	2.190	50	0.269	60	69	1.15
16	1.15	1.376	40	0.255	80	89	1.84
25	0.727	0.870	40	0.255	105	116	2.88
35	0.524	0.627	40	0.246	130	138	4.03
50	0.387	0.464	30	0.247	160	165	5.75
70	0.268	0.321	30	0.238	200	205	8.05
95	0.193	0.232	30	0.238	245	245	10.93
120	0.153	0.184	30	0.233	285	280	13.80
150	0.124	0.150	20	0.233	325	315	17.25
185	0.0991	0.121	20	0.233	370	355	21.28
240	0.0754	0.093	20	0.232	435	415	27.60
300	0.0601	0.075	20	0.231	500	465	34.50
400	0.0470	0.060	20	0.229	600	535	41.20

NYY 5 x (1.5-50) mm² 0.6/1 kV

Cu / PVC / PVC

(Copper Conductor, PVC Insulated, PVC Sheathed)

Standard Specification : SPLN 43-1

Construction Data

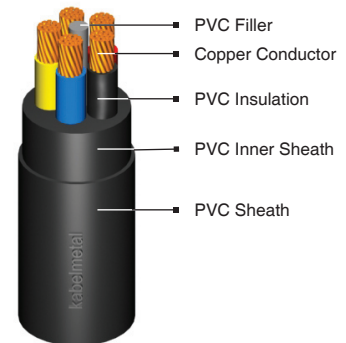
Nom. Cross Section Area	Overall Diameter	Cable Weight
	approx.	approx.
mm ²	mm	kg/km
1.5	14.8	302
2.5	16.0	382
4	18.7	541
6	20.5	677
10	23.0	954
16	26.0	1,309
25	30.0	1,895
35	33.0	2,478
50	38.0	3,161

Application :

Power cable : Indoors, cable trunking, outdoors and buried in the ground, for power stations, industry and switchgear as well as for urban supply networks, if mechanical damage is unlikely.

Special Features on Request :

- Fire Resistance
- Oil Resistance
- UV Resistance
- Flame Retardant Cat. A, B, C
- Flame Retardant Non Category
- Heat Resistance
- Anti Termite
- Anti Rodent
- Low Smoke Zero Halogen
- Nylon Coated



Note :

Conductor Shape

1.5 - 10 sqmm supplied in solid (re) or non compacted circular stranded (rm) conductor shape

16 sqmm supplied in non compacted circular stranded (rm) conductor shape

25 - 50 sqmm supplied in compacted circular stranded (cm) conductor shape

Standard Packing

1.5 - 50 sqmm supplied in wooden drum @ 1000 m

Length Tolerance per drum ± 2%

Electrical Data

Nom. Cross Sect. (mm ²)	Conductor		Insulation Resistance at 20°C	Inductance (mH/km)	Current - Carrying Capacity at 30°C *		Short circuit current at 1 sec (kA)
	DC Resistance at 20°C	AC Resistance at 70°C			in air	in ground	
	Max. (Ω/km)	Max. (Ω/km)	Min. (M.Ω.km)	Max. (A)	Max. (A)		
1.5	12.1	14.478	50	0.328	18	24	0.17
2.5	7.41	8.866	50	0.304	25	32	0.29
4	4.61	5.516	50	0.303	34	41	0.46
6	3.08	3.685	50	0.288	44	52	0.69
10	1.83	2.190	50	0.269	60	69	1.15
16	1.15	1.376	40	0.255	80	89	1.84
25	0.727	0.870	40	0.255	105	116	2.88
35	0.524	0.627	40	0.246	130	138	4.03
50	0.387	0.463	40	0.247	160	165	5.75