

NYCY 1x (1.5-500) mm² 0.6/1 kV

Cu / PVC / CWS / PVC

(Copper Conductor, PVC Insulated, Copper Wire Screen, PVC Sheathed)

Standard Specification : SPLN 43-4

Construction Data

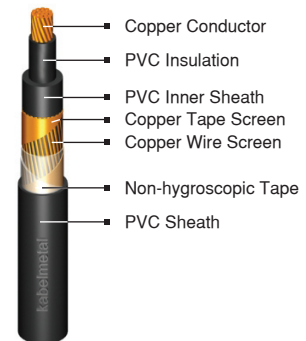
Nom. Cross Section Area	Overall Diameter	Cable Weight
	approx.	approx.
mm ²	mm	kg/km
1.5 / 1.5	10.6	137
2.5 / 2.5	11.0	160
4 / 4	12.0	208
6 / 6	12.5	254
10 / 10	13.5	347
16 / 16	15.0	481
25 / 16	16.7	610
35 / 16	17.8	718
50 / 25	20.5	979
70 / 35	22.5	1,298
95 / 50	25.0	1,722
120 / 70	27.5	2,170
150 / 70	29.5	2,462
185 / 95	32.0	3,107
240 / 120	35.5	3,979
300 / 150	39.0	4,866
400 / 185	43.5	6,134
500 / 240	48.5	7,825

Application :

For installation in the ground, indoors, cable trunking and outdoors if subsequent mechanical damage is likely. For urban networks, household feeders and street lighting.

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



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 - 500 sqmm supplied in non compacted circular stranded (rm) or compacted circular stranded (cm) conductor shape

Standard Packing

1.5 - 240 sqmm supplied on 1000 m standard length

300 - 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 Resistance at 20°C (M.Ω.km)	Inductance		Current - Carrying Capacity at 30° C				Short circuit current of conductor at 1 sec (kA)
	DC Resistance at 20°C (Ω/km)	AC Resistance at 70°C (Ω/km)		Insulation Resistance at 20°C (Min.)	Trefoil formation	Flat formation	⊗⊗⊗		⊙⊙⊙	
			(mH/km)		(mH/km)	in air	in ground	in air	in ground	
1.5 / 1.5	12.1	14.478	50	0.567	0.613	24	27	24	28	0.17
2.5 / 2.5	7.41	8.866	50	0.526	0.572	31	35	32	36	0.29
4 / 4	4.61	5.516	50	0.496	0.542	42	45	42	47	0.46
6 / 6	3.08	3.685	50	0.467	0.513	52	57	54	59	0.69
10 / 10	1.83	2.190	50	0.429	0.475	71	76	73	78	1.15
16 / 16	1.15	1.376	40	0.407	0.453	94	98	97	101	1.84
25 / 16	0.727	0.870	40	0.380	0.426	125	126	128	130	2.88
35 / 16	0.524	0.627	40	0.362	0.408	152	151	156	156	4.03
50 / 25	0.387	0.463	30	0.351	0.397	186	180	191	185	5.75
70 / 35	0.268	0.321	30	0.335	0.381	233	220	238	225	8.05
95 / 50	0.193	0.232	30	0.327	0.373	285	261	291	267	10.93
120 / 70	0.153	0.184	30	0.321	0.367	329	295	334	299	13.80
150 / 70	0.124	0.150	20	0.315	0.361	373	329	378	332	17.25
185 / 95	0.0991	0.120	20	0.309	0.355	425	366	428	367	21.28
240 / 120	0.0754	0.092	20	0.302	0.349	494	413	493	410	27.60
300 / 150	0.0601	0.075	20	0.298	0.344	553	451	548	445	34.50
400 / 185	0.0470	0.060	20	0.297	0.343	621	493	613	483	41.20
500 / 240	0.0366	0.048	20	0.293	0.339	690	532	680	520	51.50

* Further information about rating factor for certain cable arrangement can be found on supplementary technical information

NYCY 2 x (1.5-300) mm² 0.6/1 kV

Cu / PVC / CWS / PVC

(Copper Conductor, PVC Insulated, Copper Wire Screen, PVC Sheathed)

Standard Specification : SPLN 43-4

Construction Data

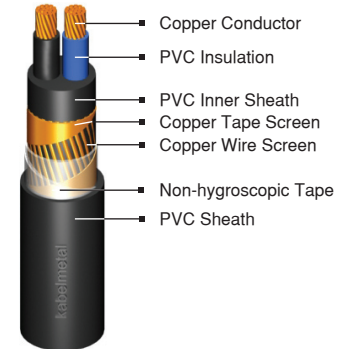
Nom. Cross Section Area	Overall Diameter	Cable Weight
	approx.	approx.
mm ²	mm	kg/km
1.5 / 1.5	14.0	241
2.5 / 2.5	15.0	287
4 / 4	16.9	387
6 / 6	18.0	476
10 / 10	20.0	653
16 / 16	22.5	892
25 / 16	25.5	1,183
35 / 16	28.0	1,458
50 / 25	32.0	1,811
70 / 35	35.5	2,448
95 / 50	40.5	3,319
120 / 70	44.5	4,110
150 / 70	48.5	4,860
185 / 95	53.5	6,106
240 / 120	60.0	7,815
300 / 150	66.0	9,650

Application :

For installation in the ground, indoors, cable trunking and outdoors if subsequent mechanical damage is likely. For urban networks, household feeders and street lighting.

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



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 - 95 sqmm supplied in wooden drum @ 1000 m

120 - 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 of conductor at 1 sec (kA)
	DC Resistance at 20°C	AC Resistance at 70°C	Insulation Resistance at 20°C		in air	in ground	
1.5 / 1.5	12.1	0.46	50	0.328	21	27	0.17
2.5 / 2.5	7.41	8.866	50	0.304	29	36	0.29
4 / 4	4.61	5.516	50	0.303	38	47	0.46
6 / 6	3.08	3.685	50	0.288	48	59	0.69
10 / 10	1.83	2.190	50	0.269	66	78	1.15
16 / 16	1.15	1.376	40	0.255	90	102	1.84
25 / 16	0.727	0.870	40	0.255	120	134	2.88
35 / 16	0.524	0.627	40	0.246	150	180	4.03
50 / 25	0.387	0.464	30	0.247	180	210	5.75
70 / 35	0.268	0.321	30	0.238	230	260	8.05
95 / 50	0.193	0.232	30	0.238	280	315	10.93
120 / 70	0.153	0.184	30	0.233	320	320	13.80
150 / 70	0.124	0.150	20	0.233	375	355	17.25
185 / 95	0.0991	0.121	20	0.233	430	409	21.28
240 / 120	0.0754	0.093	20	0.232	510	472	27.60
300 / 150	0.0601	0.075	20	0.231	590	525	34.50

* Further information about rating factor for certain cable arrangement can be found on supplementary technical information

NYCY 3 x (1.5-300) mm² 0.6/1 kV

Cu / PVC / CWS / PVC

(Copper Conductor, PVC Insulated, Copper Wire Screen, PVC Sheathed)

Standard Specification : SPLN 43-4

Construction Data

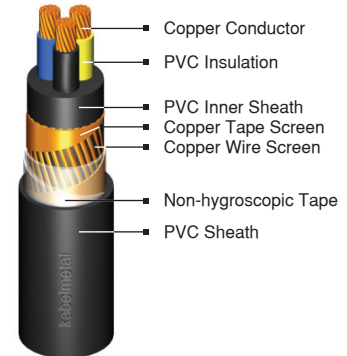
Nom. Cross Section Area	Overall Diameter	Cable Weight
	approx.	approx.
mm ²	mm	kg/km
1.5 / 1.5	14.5	269
2.5 / 2.5	15.6	328
4 / 4	17.7	441
6 / 6	18.9	548
10 / 10	21.0	765
16 / 16	24.0	1,055
25 / 16	27.0	1,431
35 / 16	29.5	1,792
50 / 25	33.0	2,148
70 / 35	36.5	2,924
95 / 50	41.0	3,962
120 / 70	45.0	4,891
150 / 70	49.5	5,863
185 / 95	54.0	7,310
240 / 120	61.0	9,451
300 / 150	67.0	11,703

Application :

For installation in the ground, indoors, cable trunking and outdoors if subsequent mechanical damage is likely. For urban networks, household feeders and street lighting.

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



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 - 300 sqmm supplied in sector shaped stranded (sm) conductor

Standard Packing

1.5 - 95 sqmm supplied in wooden drum @ 1000 m

120 - 300 sqmm will be supplied in wooden drum on available length

Length Tolerance per drum ± 2%

Electrical Data

Nom. Cross Sect.	Conductor		Insulation	Inductance (mH/km)	Current - Carrying Capacity at 30°C *		Short circuit current of conductor at 1 sec Max. (kA)
	DC Resistance at 20°C	AC Resistance at 70°C	Insulation Resistance at 20°C		in air	in ground	
					Max. (A)	Max. (A)	
(mm ²)	(Ω/km)	(Ω/km)	Min. (M.Ω.km)	Max. (A)	Max. (A)	Max. (kA)	
1.5 / 1.5	12.1	14.478	50	0.328	18	24	0.17
2.5 / 2.5	7.41	8.866	50	0.304	25	32	0.29
4 / 4	4.61	5.516	50	0.303	34	41	0.46
6 / 6	3.08	3.685	50	0.288	44	52	0.69
10 / 10	1.83	2.190	50	0.269	60	69	1.15
16 / 16	1.15	1.376	40	0.255	80	89	1.84
25 / 16	0.727	0.870	40	0.255	105	116	2.88
35 / 16	0.524	0.627	40	0.246	130	138	4.03
50 / 25	0.387	0.463	30	0.247	160	165	5.75
70 / 35	0.268	0.321	30	0.238	200	205	8.05
95 / 50	0.193	0.231	30	0.238	245	245	10.93
120 / 70	0.153	0.184	30	0.233	285	285	13.80
150 / 70	0.124	0.149	20	0.233	325	315	17.25
185 / 95	0.0991	0.120	20	0.233	370	355	21.28
240 / 120	0.0754	0.091	20	0.232	435	415	27.60
300 / 150	0.0601	0.073	20	0.231	500	465	34.50

* Further information about rating factor for certain cable arrangement can be found on supplementary technical information

NYCY 4 x (1.5-300) mm² 0.6/1 kV

Cu / PVC / CWS / PVC

(Copper Conductor, PVC Insulated, Copper Wire Screen, PVC Sheathed)

Standard Specification : SPLN 43-4

Construction Data

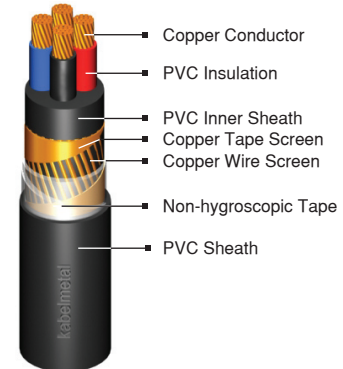
Nom. Cross Section Area	Overall Diameter	Cable Weight
	approx.	approx.
mm ²	mm	kg/km
1.5 / 1.5	15.4	304
2.5 / 2.5	16.5	376
4 / 4	18.9	512
6 / 6	20.5	642
10 / 10	23.0	912
16 / 16	25.5	1,265
25 / 16	29.5	1,744
35 / 16	31.5	2,200
50 / 25	37.5	2,757
70 / 35	41.0	3,707
95 / 50	47.0	5,034
120 / 70	52.0	6,254
150 / 70	58.0	7,549
185 / 95	62.0	9,328
240 / 120	70.5	12,071
300 / 150	76.5	14,867

Application :

For installation in the ground, indoors, cable trunking and outdoors if subsequent mechanical damage is likely. For urban networks, household feeders and street lighting.

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



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 - 300 sqmm supplied in sector shaped stranded (sm) conductor

Standard Packing

1.5 - 70 sqmm supplied in wooden drum @ 1000 m
 95 - 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 Resistance at 20°C	Inductance (mH/km)	Current - Carrying Capacity at 30°C *		Short circuit current of conductor at 1 sec Max. (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 / 1.5	12.1	14.478	50	0.328	18	24	0.17
2.5 / 2.5	7.41	8.866	50	0.304	25	32	0.29
4 / 4	4.61	5.516	50	0.303	34	41	0.46
6 / 6	3.08	3.685	50	0.288	44	52	0.69
10 / 10	1.83	2.190	50	0.269	60	69	1.15
16 / 16	1.15	1.376	40	0.255	80	89	1.84
25 / 16	0.727	0.870	40	0.255	105	116	2.88
35 / 16	0.524	0.627	40	0.246	130	138	4.03
50 / 25	0.387	0.463	30	0.247	160	165	5.75
70 / 35	0.268	0.321	30	0.238	200	205	8.05
95 / 50	0.193	0.231	30	0.238	245	245	10.93
120 / 70	0.153	0.184	30	0.233	285	285	13.80
150 / 70	0.124	0.149	20	0.233	325	315	17.25
185 / 95	0.0991	0.119	20	0.233	370	355	21.28
240 / 120	0.0754	0.091	20	0.232	435	415	27.60
300 / 150	0.0601	0.073	20	0.231	500	465	34.50

* Further information about rating factor for certain cable arrangement can be found on supplementary technical information

NYCY 5 x (1.5-6) mm² 0.6/1 kV

Cu / PVC / CWS / PVC

(Copper Conductor, PVC Insulated, Copper Wire Screen, PVC Sheathed)

Standard Specification : SPLN 43-4

Construction Data

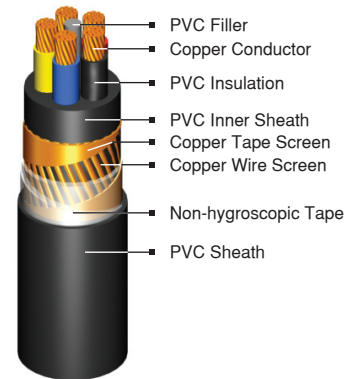
Nom. Cross Section Area	Overall Diameter	Cable Weight
	approx.	approx.
mm ²	mm	kg/km
1.5 / 1.5	16.4	353
2.5 / 2.5	17.6	435
4 / 4	20.5	601
6 / 6	22.0	757

Application :

For installation in the ground, indoors, cable trunking and outdoors if subsequent mechanical damage is likely. For urban networks, household feeders and street lighting.

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



Note :

Conductor Shape

1.5 - 6 sqmm supplied in solid (re) or non compacted circular stranded (rm) conductor shape

Standard Packing

1.5 - 6 sqmm supplied in wooden drum @ 1000 m
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 of conductor 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)		in air		
					Max. (A)	Max. (A)	
1.5 / 1.5	12.1	14.478	50	0.328	15	19	0.17
2.5 / 2.5	7.41	8.866	50	0.304	21	26	0.29
4 / 4	4.61	5.516	50	0.303	27	34	0.46
6 / 6	3.08	3.685	50	0.288	37	42	0.69

* Further information about rating factor for certain cable arrangement can be found on supplementary technical information