

NAYY 1 x (10-500) mm² 0.6/1 kV

AI / PVC / PVC

(Aluminium Conductor, PVC Insulated, PVC Sheathed)
Standard Specification : SPLN 43-1

Construction Data

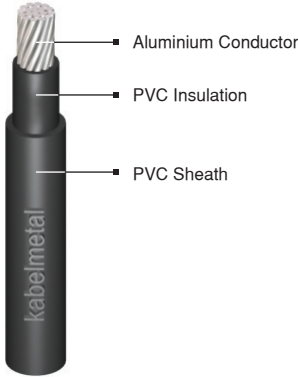
Nom. Cross Section Area	Overall Diameter	Cable Weight
	approx.	approx.
mm ²	mm	kg/km
10	9.1	103
16	10.3	135
25	11.9	186
35	13.1	231
50	15.0	306
70	16.9	383
95	19.2	498
120	20.5	573
150	23.5	725
185	26.0	886
240	29.0	1,142
300	32.0	1,388
400	37.5	1,904
500	40.5	2,219

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 :**
- 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
10 - 16 sqmm supplied in non compacted circular stranded (rm) conductor shape
25 - 800 sqmm supplied in non compacted circular stranded (rm) or compacted circular stranded (cm) conductor shape

Standard Packing
10 - 500 sqmm supplied in wooden drum @ 1000 m
Length Tolerance per drum ± 2%



Electrical Data

Conductor			Insulation	Inductance		Current - Carrying Capacity at 30° C				Short circuit current at 1 sec
Nom. Cross Sect.	DC Resistance at 20°C	AC Resistance at 70°C	Insulation Resistance at 20°C	Trefoil formation	Flat formation					
							in air	in ground	in air	
(mm²)	Max. (Ω/km)	Max. (Ω/km)	Min. (M. .km)	 (mH/km)	 (mH/km)	Max. (A)	Max. (A)	Max. (A)	Max. (A)	Max. (kA)
10	3.08	3.701	50	0.350	0.396	49	59	50	60	0.76
16	1.91	2.295	40	0.323	0.370	66	77	68	78	1.22
25	1.20	1.442	40	0.313	0.359	88	98	91	101	1.90
35	0.868	1.043	40	0.298	0.344	109	118	112	121	2.66
50	0.641	0.770	30	0.290	0.336	134	140	138	143	3.80
70	0.443	0.533	30	0.277	0.323	170	172	175	176	5.32
95	0.320	0.385	30	0.274	0.320	210	205	216	211	7.22
120	0.253	0.305	30	0.268	0.314	243	233	251	240	9.12
150	0.206	0.249	20	0.265	0.312	283	261	291	269	11.40
185	0.164	0.198	20	0.264	0.310	328	296	339	305	14.06
240	0.125	0.152	20	0.260	0.306	395	344	407	355	18.24
300	0.100	0.122	20	0.258	0.304	456	388	471	401	22.80
400	0.0778	0.096	20	0.252	0.298	548	447	565	462	27.20
500	0.0605	0.076	20	0.251	0.298	633	507	653	525	34.00

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

NAYY 2 x (10-300) mm² 0.6/1 kV

Al / PVC / PVC

(Aluminium Conductor, PVC Insulated, PVC Sheathed)

Standard Specification : SPLN 43-1

Construction Data

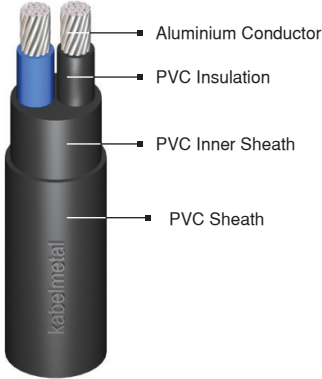
Nom. Cross Section Area	Overall Diameter	Cable Weight
	approx.	approx.
mm²	mm	kg/km
10	18.4	411
16	21.0	536
25	23.5	675
35	26.0	834
50	29.5	964
70	33.0	1,229
95	37.5	1,594
120	40.5	1,885
150	43.5	2,215
185	50.5	2,877
240	55.5	3,576
300	61.5	4,375

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 :

- 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

10 - 16 sqmm supplied in non compacted circular stranded (rm) conductor shape

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

Standard Packing

10 - 150 sqmm supplied in wooden drum @ 1000 m

185 - 300 sqmm will be supplied in wooden drum on available length

Length Tolerance per drum ± 2%

Electrical Data

Conductor			Insulation	Inductance	Current - Carrying Capacity at 30°C *		Short circuit current at 1 sec
Nom. Cross Sect.	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)	Max. (kA)
(mm²)				(mH/km)			
10	3.08	3.701	50	0.269	48	59	0.76
16	1.91	2.295	40	0.253	70	79	1.22
25	1.20	1.442	40	0.257	94	102	1.90
35	0.868	1.043	40	0.247	115	125	2.66
50	0.641	0.770	30	0.247	140	147	3.80
70	0.443	0.533	30	0.238	155	156	5.32
95	0.320	0.385	30	0.238	190	191	7.22
120	0.253	0.305	30	0.233	220	220	9.12
150	0.206	0.248	20	0.235	245	245	11.40
185	0.164	0.198	20	0.233	275	275	14.06
240	0.125	0.152	20	0.232	320	320	18.24
300	0.100	0.122	20	0.231	365	365	22.80

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

NAYY 3 x (10-400) mm² 0.6/1 kV

Al / PVC / PVC

(Aluminium Conductor, PVC Insulated, PVC Sheathed)
Standard Specification : SPLN 43-1

Construction Data

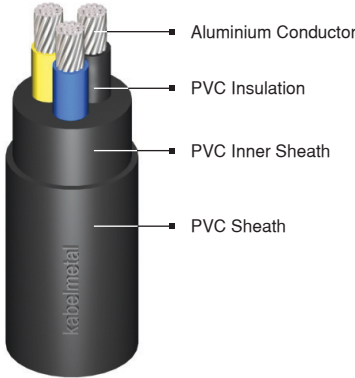
Nom. Cross Section Area	Overall Diameter	Cable Weight
	approx.	approx.
mm ²	mm	kg/km
10	19.4	459
16	22.5	601
25	24.5	767
35	27.5	952
50	30.0	986
70	34.0	1,301
95	38.5	1,682
120	41.5	1,973
150	46.0	2,399
185	50.5	2,936
240	57.0	3,741
300	62.5	4,534
400	69.0	5,644

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 :**
- 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
10 - 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
10 - 150 sqmm supplied in wooden drum @ 1000 m
185 - 400 sqmm will be suplied in wooden drum on available length
Length Tolerance per drum ± 2%



Electrical Data

Conductor			Insulation	Inductance	Current - Carrying Capacity at 30°C *		Short circuit current at 1 sec
Nom. Cross Sect.	DC Resistance at 20°C	AC Resistance at 70°C	Insulation Resistance at 20°C		in air	in ground	Max. (kA)
	Max. (Ω/km)	Max. (Ω/km)	Min. (M. .km)		Max. (A)	Max. (A)	
(mm²)				(mH/km)			
10	3.08	3.701	50	0.269	44	52	0.76
16	1.91	2.295	40	0.253	62	69	1.22
25	1.20	1.442	40	0.257	82	89	1.90
35	0.868	1.043	40	0.247	100	107	2.66
50	0.641	0.770	30	0.247	125	129	3.80
70	0.443	0.533	30	0.238	155	156	5.32
95	0.320	0.385	30	0.238	190	191	7.22
120	0.253	0.305	30	0.233	220	220	9.12
150	0.206	0.248	20	0.235	250	245	11.40
185	0.164	0.198	20	0.233	285	275	14.06
240	0.125	0.152	20	0.232	340	320	18.24
300	0.100	0.122	20	0.231	390	365	22.80
400	0.0778	0.096	20	0.229	460	420	27.20

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

NAYY 4 x (10-400) mm² 0.6/1 kV

Al / PVC / PVC

(Aluminium Conductor, PVC Insulated, PVC Sheathed)
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Construction Data

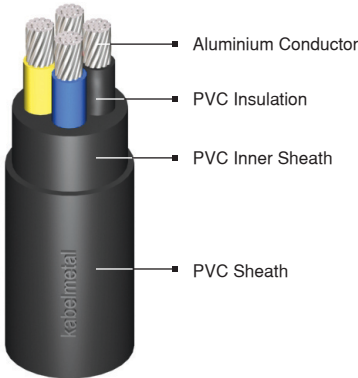
Nom. Cross Section Area	Overall Diameter	Cable Weight
	approx.	approx.
mm ²	mm	kg/km
10	21.5	541
16	24.5	715
25	27.0	920
35	30.0	1,147
50	35.5	1,306
70	39.0	1,659
95	44.5	2,163
120	48.5	2,599
150	54.5	3,164
185	59.0	3,808
240	66.0	4,854
300	72.5	5,884
400	82.5	7,473

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 :

- 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

10 - 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

10 - 120 sqmm supplied in wooden drum @ 1000 m
150 - 400 sqmm will be supplied in wooden drum on available length
Length Tolerance per drum $\pm 2\%$

Electrical Data

Conductor			Insulation	Inductance	Current - Carrying Capacity at 30°C *		Short circuit current at 1 sec
Nom. Cross Sect.	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)	Max. (kA)
(mm ²)				(mH/km)			
10	3.08	3.701	50	0.269	44	52	0.76
16	1.91	2.295	40	0.253	62	69	1.22
25	1.20	1.442	40	0.257	82	89	1.90
35	0.868	1.043	40	0.247	100	107	2.66
50	0.641	0.770	30	0.247	125	129	3.80
70	0.443	0.533	30	0.238	155	156	5.32
95	0.320	0.385	30	0.238	190	191	7.22
120	0.253	0.305	30	0.233	220	220	9.12
150	0.206	0.248	20	0.235	250	245	11.40
185	0.164	0.198	20	0.233	285	275	14.06
240	0.125	0.152	20	0.232	340	320	18.24
300	0.100	0.122	20	0.231	390	365	22.80
400	0.0778	0.096	20	0.229	460	420	27.20

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

NAYY 5 x (10-50) mm² 0.6/1 kV

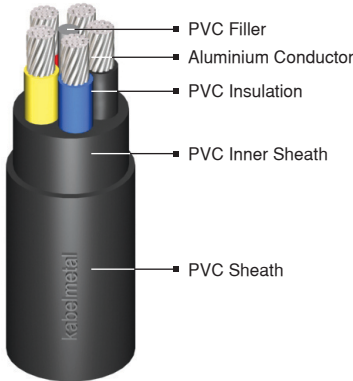
Al / PVC / PVC

(Aluminium 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
10	23.0	636
16	26.5	847
25	29.5	1,098
35	33.0	1,389
50	38.0	1,731

- Application :**
Power cable : Indoors, cable trunking, outdoors and burried 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 :**
- 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**
10 - 16 sqmm supplied in non compacted circular stranded (rm) conductor shape
25 - 50 sqmm supplied in compacted circular stranded (cm) conductor shape
- Standard Packing**
10 - 50 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 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. (Ω/km)	Max. (Ω/km)	Min. (M. .km)		Max. (A)	Max. (A)	
10	3.08	3.701	50	0.269	44	52	0.76
16	1.91	2.295	40	0.253	62	69	1.22
25	1.20	1.442	40	0.257	82	89	1.90
35	0.868	1.043	40	0.247	100	107	2.66
50	0.641	0.770	40	0.247	125	129	3.80

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