

NYB(AL)Y 1 x (16-500) mm² 0.6/1 kV

Cu / PVC / ATA / PVC

(Copper Conductor, PVC Insulated, Aluminium Tape Armor, PVC Sheathed)
Standard Specification : SPLN 43-3

Construction Data

Nom. Cross Section Area	Overall Diameter	Cable Weight
	approx.	approx.
mm²	mm	kg/km
16	16.0	426
25	16.8	526
35	17.9	639
50	19.9	821
70	22.0	1,050
95	24.0	1,341
120	25.5	1,598
150	27.5	1,900
185	30.0	2,334
240	33.5	2,988
300	36.0	3,588
400	40.0	4,554
500	44.5	5,732

Application :

For installation indoors, cable channels and in ground, for industry installations, switchgear, and power station, if there is a risk that low mechanical damage may occur.

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

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

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

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.Ω.km)	 (mH/km)	 (mH/km)	Max. (A)	Max. (A)	Max. (A)	Max. (A)	Max. (kA)
16	1.15	1.376	40	0.420	0.466	95	98	97	101	1.84
25	0.727	0.870	40	0.381	0.428	125	126	128	130	2.88
35	0.524	0.627	30	0.363	0.409	152	151	156	156	4.03
50	0.387	0.463	30	0.347	0.393	185	179	189	185	5.75
70	0.268	0.321	30	0.329	0.376	231	220	237	225	8.05
95	0.193	0.232	30	0.318	0.365	283	262	290	269	10.93
120	0.153	0.184	30	0.308	0.354	327	298	335	305	13.80
150	0.124	0.150	20	0.302	0.349	372	333	380	340	17.25
185	0.0991	0.120	20	0.296	0.342	428	375	437	382	21.28
240	0.0754	0.093	20	0.288	0.335	506	432	514	437	27.60
300	0.0601	0.075	20	0.283	0.329	578	483	585	486	34.50
400	0.0470	0.060	20	0.281	0.327	662	540	666	540	41.20
500	0.0366	0.049	20	0.275	0.321	756	600	755	596	51.50

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

NYBY 2 x (6-300) mm² 0.6/1 kV

Cu / PVC / STA / PVC

(Copper Conductor, PVC Insulated, Galvanized Steel Tape Armor, PVC Sheathed)
Standard Specification : SPLN 43-3

Construction Data

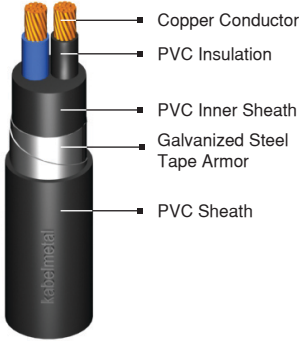
Nom. Cross Section Area	Overall Diameter	Cable Weight
	approx.	approx.
mm ²	mm	kg/km
6	17.3	495
10	19.2	647
16	21.5	836
25	24.5	1,145
35	27.0	1,433
50	30.0	1,716
70	34.0	2,271
95	38.5	3,039
120	43.0	4,043
150	47.5	4,877
185	52.5	5,951
240	58.5	7,504
300	64.5	9,180

Application :

For installation indoors, cable channels and in ground, for industry installations, switchgear, and power station, if there is a risk that low mechanical damage may occur.

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

6 - 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

6 - 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

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)			
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

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

NYBY 3 x (4-400) mm² 0.6/1 kV

Cu / PVC / STA / PVC

(Copper Conductor, PVC Insulated, Galvanized Steel Tape Armor, PVC Sheathed)
Standard Specification : SPLN 43-3

Construction Data

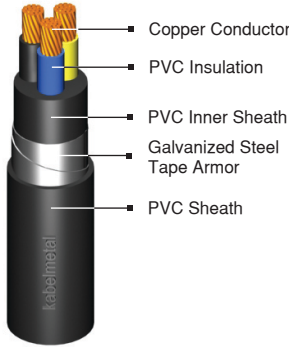
Nom. Cross Section Area	Overall Diameter	Cable Weight
	approx.	approx.
mm ²	mm	kg/km
4	16.9	476
6	18.1	572
10	20.5	764
16	22.5	1,006
25	26.0	1,401
35	28.5	1,776
50	31.5	2,056
70	35.0	2,766
95	41.0	4,051
120	43.5	4,823
150	48.5	5,883
185	53.0	7,153
240	59.5	9,142
300	65.0	11,131
400	71.5	13,916

Application :

For installation indoors, cable channels and in ground, for industry installations, switchgear, and power station, if there is a risk that low mechanical damage may occur.

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

4 - 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

4 - 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.	Conductor		Insulation	Inductance	Current - Carrying Capacity at 30°C *		Short circuit current at 1 sec
	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)
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

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

NYBY 4 x (2.5-400) mm² 0.6/1 kV

Cu / PVC / STA / PVC

(Copper Conductor, PVC Insulated, Galvanized Steel Tape Armor, PVC Sheathed)
Standard Specification : SPLN 43-3

Construction Data

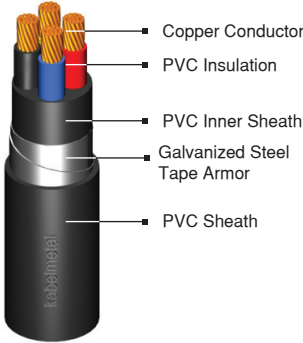
Nom. Cross Section Area	Overall Diameter	Cable Weight
	approx.	approx.
mm²	mm	kg/km
2.5	15.8	410
4	18.2	555
6	19.5	674
10	22.0	921
16	24.5	1,226
25	28.0	1,727
35	31.0	2,219
50	36.5	2,702
70	41.5	3,967
95	47.0	5,236
120	51.0	6,316
150	57.0	7,680
185	61.5	9,357
240	68.5	11,898
300	75.0	14,509
400	84.5	18,313

Application :

For installation indoors, cable channels and in ground, for industry installations, switchgear, and power station, if there is a risk that low mechanical damage may occur.

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

2.5 - 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

2.5 - 70 sqmm supplied in wooden drum @ 1000 m
95 - 400 sqmm will be supplied in wooden drum on available length
Length Tolerance per drum $\pm 2\%$

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)
(mm²)				(mH/km)			
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

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

NYBY 5 x (4-50) mm² 0.6/1 kV

Cu / PVC / STA / PVC

(Copper Conductor, PVC Insulated, Galvanized Steel Tape Armor, PVC Sheathed)
Standard Specification : SPLN 43-3

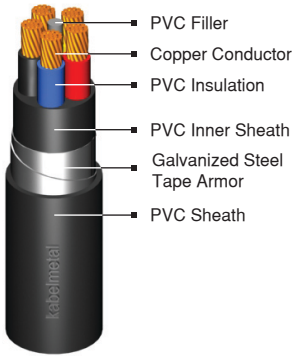
Construction Data

Nom. Cross Section Area	Overall Diameter	Cable Weight
	approx.	approx.
mm ²	mm	kg/km
4	19.5	652
6	21.5	798
10	24.0	1,092
16	26.5	1,466
25	31.0	2,080
35	34.5	2,700
50	40.5	3,805

Application :
For installation indoors, cable channels and in ground, for industry installations, switchgear, and power station, if there is a risk that low mechanical damage may occur.

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

4 - 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

4 - 50 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		in air	in ground	
	Max. (Ω/km)	Max. (Ω/km)	Min. (M.Ω.km)		Max. (A)	Max. (A)	
(mm ²)				(mH/km)			Max. (kA)
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

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