

N2XB(AL)Y 1 x (16-500) mm² 0.6/1 kV Cu / XLPE / ATA / PVC

(Copper Conductor, XLPE Insulated, Aluminium Tape Armor, PVC Sheathed)
Standard Specification : SPLN 43-8

Construction Data

Nom. Cross Section Area	Overall Diameter	Cable Weight
	approx.	approx.
mm ²	mm	kg/km
16	16.0	419
25	16.2	488
35	17.3	597
50	19.1	764
70	21.5	994
95	23.0	1,256
120	25.0	1,516
150	27.0	1,804
185	29.0	2,221
240	32.0	2,829
300	35.0	3,409
400	39.0	4,326
500	43.0	5,484

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
- Anti Termite
- Anti Rodent
- Low Smoke Zero Halogen



Note :

Conductor Shape

16 - 300 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 supplied wooden drum on available length
Length Tolerance per drum ± 2%

Electrical Data

Conductor			Inductance		Current - Carrying Capacity at 30° C *				Short circuit current at 1 sec
Nom. Cross Sect. (mm ²)	DC Resistance at 20°C	AC Resistance at 90°C	Trefoil formation	Flat formation	⊗⊗⊗		⊙⊙⊙		
	Max. (Ω/km)	Max. (Ω/km)	(mH/km)	(mH/km)	in air	in ground	in air	in ground	
					Max. (A)	Max. (A)	Max. (A)	Max. (A)	Max. (kA)
16	1.15	1.466	0.420	0.466	118	117	121	121	2.29
25	0.727	0.927	0.374	0.420	155	152	159	157	3.58
35	0.524	0.668	0.356	0.402	189	182	194	188	5.01
50	0.387	0.494	0.339	0.385	230	215	236	222	7.15
70	0.268	0.342	0.324	0.370	288	264	296	271	10.01
95	0.193	0.247	0.310	0.356	352	315	361	323	13.59
120	0.153	0.196	0.301	0.348	408	358	418	366	17.16
150	0.124	0.159	0.296	0.343	466	400	477	409	21.45
185	0.0991	0.128	0.290	0.336	537	451	549	460	26.46
240	0.0754	0.098	0.281	0.327	636	521	648	528	34.32
300	0.0601	0.080	0.276	0.322	728	582	738	588	42.90
400	0.0470	0.064	0.274	0.320	836	653	844	656	57.20
500	0.0366	0.051	0.269	0.316	957	727	960	725	71.50

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

N2XBY 2 x (1.5-300) mm² 0.6/1 kV

Cu / XLPE / STA / PVC

(Copper Conductor, XLPE Insulated, Steel Tape Armor, PVC Sheathed)

Standard Specification : SPLN 43-8

Construction Data

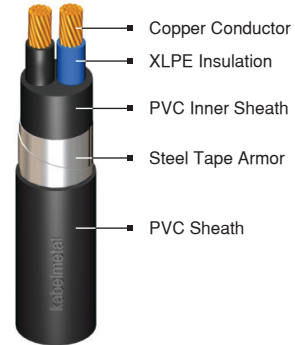
Nom. Cross Section Area	Overall Diameter	Cable Weight
	approx.	approx.
mm ²	mm	kg/km
1.5	15.0	328
2.5	15.0	341
4	15.0	361
6	16.1	431
10	18.0	574
16	20.5	753
25	23.5	1,047
35	25.5	1,323
50	28.5	1,580
70	32.5	2,140
95	36.5	2,810
120	41.5	3,824
150	45.5	4,606
185	50.5	5,663
240	56.0	7,102
300	61.5	8,675

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
- 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 - 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		Inductance (mH/km)	Current - Carrying Capacity at 30°C *		Short circuit current at 1 sec (kA)
	DC Resistance at 20°C	AC Resistance at 90°C		in air	in ground	
1.5	12.1	15.429	0.315	27	33	0.21
2.5	7.41	9.449	0.293	36	44	0.36
4	4.61	5.878	0.275	48	58	0.57
6	3.08	3.927	0.263	61	72	0.86
10	1.83	2.334	0.248	83	97	1.43
16	1.15	1.467	0.238	113	128	2.29
25	0.727	0.927	0.240	150	167	3.58
35	0.524	0.669	0.233	186	201	5.01
50	0.387	0.494	0.232	226	239	7.15
70	0.268	0.342	0.229	290	295	10.01
95	0.193	0.247	0.224	353	355	13.59
120	0.153	0.196	0.223	413	404	17.16
150	0.124	0.160	0.224	468	458	21.45
185	0.0991	0.128	0.225	540	516	26.46
240	0.0754	0.099	0.223	590	600	34.32
300	0.0601	0.080	0.221	745	695	42.90

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

N2XBY 3 x (1.5-300) mm² 0.6/1 kV Cu / XLPE / STA / PVC

(Copper Conductor, XLPE Insulated, Steel Tape Armor, PVC Sheathed)
Standard Specification : SPLN 43-8

Construction Data

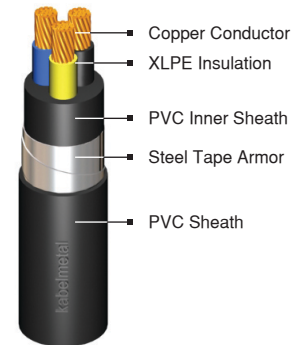
Nom. Cross Section Area	Overall Diameter	Cable Weight
	approx.	approx.
mm ²	mm	kg/km
1.5	15.0	334
2.5	15.0	353
4	15.6	408
6	16.8	498
10	18.9	679
16	21.5	908
25	24.5	1,283
35	27.0	1,643
50	29.0	1,870
70	33.5	2,596
95	38.0	3,747
120	41.5	4,548
150	46.0	5,542
185	51.0	6,781
240	56.5	8,634
300	61.5	10,506

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
- 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. (mm ²)	Conductor		Inductance (mH/km)	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 90°C Max. (Ω/km)		in air	in ground	
				Max. (A)	Max. (A)	
1.5	12.1	15.429	0.315	23	29	0.21
2.5	7.41	9.449	0.293	32	38	0.36
4	4.61	5.878	0.275	41	49	0.57
6	3.08	3.927	0.263	52	60	0.86
10	1.83	2.334	0.248	71	97	1.43
16	1.15	1.467	0.238	96	108	2.29
25	0.727	0.927	0.240	130	141	3.58
35	0.524	0.669	0.233	159	170	5.01
50	0.387	0.494	0.232	193	201	7.15
70	0.268	0.342	0.229	245	249	10.01
95	0.193	0.247	0.224	302	299	13.59
120	0.153	0.196	0.223	349	340	17.16
150	0.124	0.160	0.224	400	381	21.45
185	0.0991	0.128	0.225	464	434	26.46
240	0.0754	0.099	0.223	552	506	34.32
300	0.0601	0.080	0.221	640	585	42.90

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

N2XBY 4 x (2.5-300) mm² 0.6/1 kV

Cu / XLPE / STA / PVC

(Copper Conductor, XLPE Insulated, Steel Tape Armor, PVC Sheathed)

Standard Specification : SPLN 43-8

Construction Data

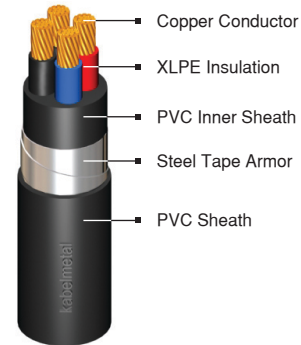
Nom. Cross Section Area	Overall Diameter	Cable Weight
	approx.	approx.
mm ²	mm	kg/km
2.5	15.3	376
4	16.6	473
6	18.0	584
10	20.5	816
16	23.0	1,106
25	26.5	1,580
35	29.5	2,040
50	33.0	2,416
70	38.0	3,349
95	43.0	4,828
120	48.0	5,920
150	54.0	7,238
185	58.0	8,769
240	64.5	11,225
300	70.5	13,682

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

Standard Packing

2.5 - 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.	Conductor		Inductance (mH/km)	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 90°C Max. (Ω/km)		in air	in ground	
				Max. (A)	Max. (A)	
2.5	7.41	9.449	0.293	32	38	0.36
4	4.61	5.878	0.275	41	49	0.57
6	3.08	3.927	0.263	52	60	0.86
10	1.83	2.334	0.248	71	97	1.43
16	1.15	1.467	0.238	96	108	2.29
25	0.727	0.927	0.240	130	141	3.58
35	0.524	0.669	0.233	159	170	5.01
50	0.387	0.494	0.232	193	201	7.15
70	0.268	0.342	0.229	245	249	10.01
95	0.193	0.247	0.224	302	299	13.59
120	0.153	0.196	0.223	349	340	17.16
150	0.124	0.160	0.224	400	381	21.45
185	0.0991	0.128	0.225	464	434	26.46
240	0.0754	0.099	0.223	552	506	34.32
300	0.0601	0.080	0.221	640	585	42.90

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

N2XBY 5 x (4-50) mm² 0.6/1 kV Cu / XLPE / STA / PVC

(Copper Conductor, XLPE Insulated, Steel Tape Armor, PVC Sheathed)
Standard Specification : SPLN 43-8

Construction Data

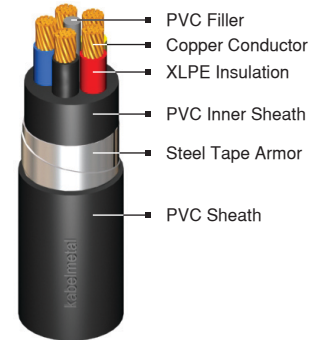
Nom. Cross Section Area	Overall Diameter	Cable Weight
	approx.	approx.
mm ²	mm	kg/km
4	17.8	552
6	19.3	689
10	22.0	966
16	25.0	1,320
25	29.0	1,902
35	32.5	2,482
50	38.0	3,486

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
- Anti Termite
- Anti Rodent
- Low Smoke Zero Halogen
- Nylon Coated



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

Nom. Cross Sect. (mm ²)	Conductor		Inductance (mH/km)	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 90°C Max. (Ω/km)		in air Max. (A)	in ground Max. (A)	
4	4.61	5.878	0.275	41	49	0.57
6	3.08	3.927	0.263	52	60	0.86
10	1.83	2.333	0.248	71	97	1.43
16	1.15	1.466	0.238	96	108	2.29
25	0.727	0.927	0.240	130	141	3.58
35	0.524	0.668	0.233	159	170	5.01
50	0.387	0.494	0.232	193	201	7.15

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