

NA2XB(AL)Y 1 x (16-500) mm² 0.6/1 kV

AI / XLPE / ATA / PVC

(Aluminium 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.
mm²	mm	kg/km
16	16.0	320
25	16.2	328
35	17.4	384
50	19.1	467
70	21.5	572
95	23.0	676
120	24.5	769
150	27.0	928
185	29.5	1,088
240	32.5	1,335
300	35.0	1,579
400	40.5	2,152
500	44.0	2,493

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

Electrical Data

Conductor			Inductance		Current - Carrying Capacity at 30° C *				Short circuit current at 1 sec
Nom. Cross Sect.	DC Resistance at 20°C	AC Resistance at 90°C	Trefoil formation 	Flat formation 					
					in air	in ground	in air	in ground	
(mm²)	Max. (Ω/km)	Max. (Ω/km)	(mH/km)	(mH/km)	Max. (A)	Max. (A)	Max. (A)	Max. (A)	Max. (kA)
16	1.91	2.449	0.412	0.458	92	91	95	94	1.50
25	1.20	1.539	0.374	0.421	120	118	124	122	2.35
35	0.868	1.113	0.355	0.401	147	141	151	146	3.29
50	0.641	0.822	0.339	0.385	178	167	183	172	4.70
70	0.443	0.568	0.322	0.368	225	205	231	211	6.58
95	0.320	0.411	0.309	0.355	274	245	282	252	8.93
120	0.253	0.325	0.303	0.349	317	278	325	286	11.28
150	0.206	0.265	0.295	0.341	365	313	374	321	14.10
185	0.164	0.211	0.290	0.336	421	354	432	362	17.39
240	0.125	0.162	0.280	0.326	502	410	514	418	22.56
300	0.100	0.130	0.275	0.322	576	461	588	469	28.20
400	0.0778	0.102	0.269	0.315	684	528	696	534	37.60
500	0.0605	0.081	0.268	0.314	784	594	793	598	47.00

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

NA2XBY 2 x (10-300) mm² 0.6/1 kV

AI / XLPE / STA / PVC

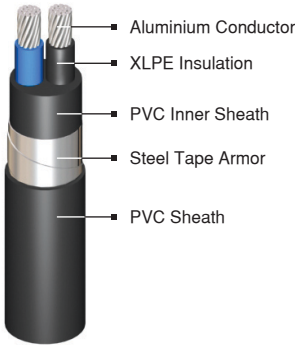
(Aluminium Conductor, XLPE Insulated, Steel Tape Armor, PVC Sheathed)
Standard Specification : SPLN 43-8

Construction Data

Nom. Cross Section Area	Overall Diameter	Cable Weight
	approx.	approx.
mm ²	mm	kg/km
10	18.0	447
16	20.5	577
25	23.0	719
35	25.5	883
50	28.5	1,005
70	32.5	1,303
95	36.5	1,655
120	41.5	2,376
150	44.5	2,734
185	51.0	3,415
240	55.5	4,087
300	61.0	4,910

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**
- 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
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			Inductance	Current - Carrying Capacity at 30°C *		Short circuit current at 1 sec
Nom. Cross Sect.	DC Resistance at 20°C	AC Resistance at 90°C		in air	in ground	
(mm²)			(mH/km)			
10	3.08	3.949	0.248	61	72	0.94
16	1.91	2.449	0.236	88	99	1.50
25	1.20	1.539	0.242	119	130	2.35
35	0.868	1.113	0.234	145	157	3.29
50	0.641	0.822	0.232	175	185	4.70
70	0.443	0.568	0.229	220	229	6.58
95	0.320	0.411	0.224	272	276	8.93
120	0.253	0.325	0.223	317	320	11.28
150	0.206	0.265	0.225	362	351	14.10
185	0.164	0.211	0.225	420	400	17.39
240	0.125	0.162	0.223	497	467	22.56
300	0.100	0.130	0.222	577	532	28.20

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

NA2XBY 3 x (10-300) mm² 0.6/1 kV

AI / XLPE / STA / PVC

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

Construction Data

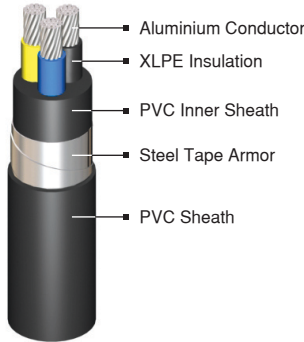
Nom. Cross Section Area	Overall Diameter	Cable Weight
	approx.	approx.
mm ²	mm	kg/km
10	18.9	488
16	22.0	635
25	24.0	801
35	27.0	988
50	29.0	1,000
70	33.5	1,340
95	38.0	2,001
120	41.5	2,370
150	46.0	2,825
185	51.0	3,387
240	56.5	4,161
300	61.5	4,925

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

- 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

10 - 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

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			Inductance	Current - Carrying Capacity at 30°C *		Short circuit current at 1 sec
Nom. Cross Sect.	DC Resistance at 20°C	AC Resistance at 90°C		in air	in ground	
(mm²)			(mH/km)			
10	3.08	3.949	0.248	52	60	0.94
16	1.91	2.449	0.236	75	84	1.50
25	1.20	1.539	0.242	100	110	2.35
35	0.868	1.113	0.234	123	132	3.29
50	0.641	0.822	0.232	149	156	4.70
70	0.443	0.568	0.229	189	193	6.58
95	0.320	0.411	0.224	233	232	8.93
120	0.253	0.325	0.223	271	268	11.28
150	0.206	0.265	0.225	310	296	14.10
185	0.164	0.211	0.225	359	336	17.39
240	0.125	0.162	0.223	429	429	22.56
300	0.100	0.130	0.222	496	447	28.20

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

NA2XBY 4 x (10-300) mm² 0.6/1 kV

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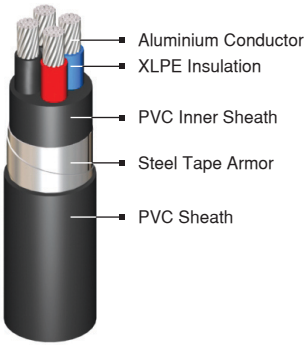
(Aluminium Conductor, XLPE Insulated, Steel Tape Armor, PVC Sheathed)
Standard Specification : SPLN 43-8

Construction Data

Nom. Cross Section Area	Overall Diameter	Cable Weight
	approx.	approx.
mm ²	mm	kg/km
10	20.5	562
16	23.5	738
25	26.0	942
35	29.0	1,169
50	33.0	1,256
70	38.0	1,674
95	43.0	2,500
120	48.0	3,015
150	54.0	3,615
185	58.0	4,244
240	64.5	5,261
300	70.5	6,239

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**
- 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
10 - 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
10 - 120 sqmm supplied in wooden drum @ 1000 m
150 - 300 sqmm will be supplied in wooden drum on available length
Length Tolerance per drum $\pm 2\%$

Electrical Data

Nom. Cross Sect.	Conductor		Inductance	Current - Carrying Capacity at 30°C *		Short circuit current at 1 sec
	DC Resistance at 20°C	AC Resistance at 90°C		in air	in ground	
	Max. (Ω/km)	Max. (Ω/km)		Max. (A)	Max. (A)	
(mm ²)			(mH/km)			Max. (kA)
10	3.08	3.949	0.248	52	60	0.94
16	1.91	2.449	0.236	75	84	1.50
25	1.20	1.539	0.242	110	110	2.35
35	0.868	1.113	0.234	123	132	3.29
50	0.641	0.822	0.232	149	156	4.70
70	0.443	0.568	0.229	189	193	6.58
95	0.320	0.411	0.224	233	232	8.93
120	0.253	0.325	0.223	271	268	11.28
150	0.206	0.265	0.225	310	296	14.10
185	0.164	0.211	0.225	359	336	17.39
240	0.125	0.162	0.223	429	393	22.56
300	0.100	0.130	0.222	496	447	28.20

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NA2XBY 5 x (10-50) mm² 0.6/1 kV

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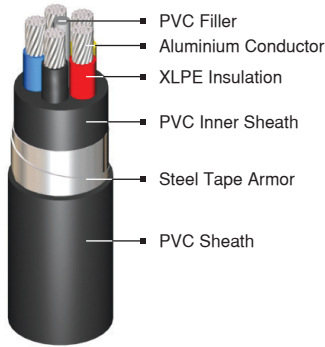
(Aluminium Conductor, XLPE Insulated, Steel Tape Armor, PVC Sheathed)
Standard Specification : SPLN 43-8

Construction Data

Nom. Cross Section Area	Overall Diameter	Cable Weight
	approx.	approx.
mm ²	mm	kg/km
10	22.0	649
16	25.5	859
25	28.5	1,105
35	32.0	1,394
50	36.5	1,703

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**
- 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
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.	Conductor		Inductance	Current - Carrying Capacity at 30°C *		Short circuit current at 1 sec
	DC Resistance at 20°C	AC Resistance at 90°C		in air	in ground	
	Max. (Ω/km)	Max. (Ω/km)		Max. (A)	Max. (A)	
(mm ²)			(mH/km)			Max. (kA)
10	3.08	3.949	0.248	52	60	0.94
16	1.91	2.449	0.236	75	84	1.50
25	1.20	1.539	0.242	110	110	2.35
35	0.868	1.113	0.234	123	132	3.29
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