

NA2XR(AL)Y 1 x (25-500) mm² 0.6/1 kV AI / XLPE / AWA / PVC

(Aluminium Conductor, XLPE Insulated, Aluminium Wire Armor, PVC Sheathed)
Standard Specification : SPLN 43-7

Construction Data

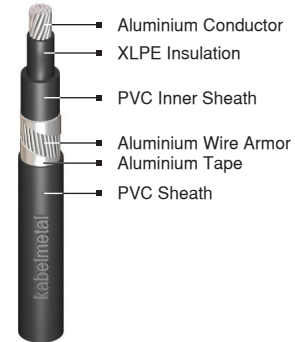
Nom. Cross Section Area	Overall Diameter	Cable Weight
	approx.	approx.
mm ²	mm	kg/km
25	17.9	412
35	19.1	476
50	21.0	566
70	23.0	681
95	25.0	796
120	27.0	936
150	29.5	1,110
185	31.5	1,286
240	34.5	1,568
300	37.5	1,830
400	44.0	2,548
500	47.0	2,899

Application :

For installation in the ground, indoors, cable trunking and outdoors if increased mechanical protection is required or where high-pulling stresses may occur during installation or operation.

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

25 - 500 sqmm supplied in non compacted circular stranded (rm) or compacted circular stranded (cm) conductor shape

Standard Packing

25 - 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	⊗⊗⊗		⊙⊙⊙		
	Max. (Ω/km)	Max. (Ω/km)	(mH/km)	(mH/km)	in air	in ground	in air	in ground	
(mm ²)					Max. (A)	Max. (A)	Max. (A)	Max. (A)	Max. (kA)
25	1.20	1.539	0.395	0.441	125	120	129	123	2.35
35	0.868	1.113	0.374	0.420	152	143	156	147	3.29
50	0.641	0.822	0.356	0.402	184	169	189	174	4.70
70	0.443	0.568	0.338	0.384	232	207	238	213	6.58
95	0.320	0.411	0.324	0.370	282	247	289	254	8.93
120	0.253	0.325	0.321	0.367	326	281	335	287	11.28
150	0.206	0.265	0.311	0.357	375	315	383	321	14.10
185	0.164	0.211	0.305	0.351	431	355	440	362	17.39
240	0.125	0.162	0.295	0.341	510	410	520	416	22.56
300	0.100	0.130	0.289	0.335	583	459	592	464	28.20
400	0.0778	0.102	0.285	0.331	685	518	689	518	37.60
500	0.0605	0.080	0.282	0.328	777	578	777	573	47.00

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

NA2XRGbY 2 x (25-300) mm² 0.6/1 kV

AI / XLPE / SWA / PVC

(Aluminium Conductor, XLPE Insulated, Steel Wire Armor, PVC Sheathed)

Standard Specification : SPLN 43-7

Construction Data

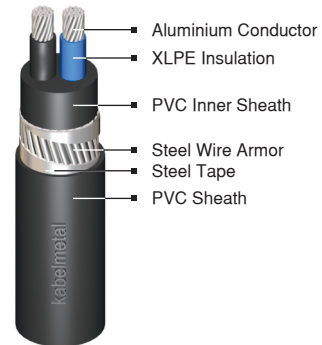
Nom. Cross Section Area	Overall Diameter	Cable Weight
	approx.	approx.
mm ²	mm	kg/km
25	26.0	1,268
35	28.5	1,492
50	32.0	1,702
70	36.0	2,108
95	40.5	2,799
120	44.0	3,245
150	47.5	3,669
185	54.5	4,913
240	59.5	5,758
300	65.0	6,754

Application :

For installation in the ground, indoors, cable trunking and outdoors if increased mechanical protection is required or where high-pulling stresses may occur during installation or operation.

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

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

Standard Packing

25 - 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

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)	
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

NA2XRGbY 3 x (25-300) mm² 0.6/1 kV

AI / XLPE / SWA / PVC

(Aluminium Conductor, XLPE Insulated, Steel Wire Armor, PVC Sheathed)

Standard Specification : SPLN 43-7

Construction Data

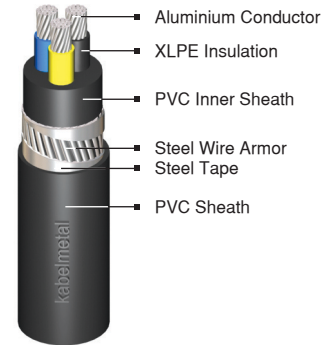
Nom. Cross Section Area	Overall Diameter	Cable Weight
	approx.	approx.
mm ²	mm	kg/km
25	27.5	1,380
35	30.0	1,626
50	32.5	1,712
70	37.5	2,388
95	41.0	2,805
120	44.5	3,220
150	50.0	4,206
185	55.0	4,855
240	60.5	5,830
300	65.5	6,775

Application :

For installation in the ground, indoors, cable trunking and outdoors if increased mechanical protection is required or where high-pulling stresses may occur during installation or operation.

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

25 - 35 sqmm supplied in compacted circular stranded (cm) conductor shape
50 - 300 sqmm supplied in sector shaped stranded (sm) conductor

Standard Packing

25 - 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 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)	
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

NA2XRGbY 4 x (16-300) mm² 0.6/1 kV

AI / XLPE / SWA / PVC

(Aluminium Conductor, XLPE Insulated, Steel Wire Armor, PVC Sheathed)

Standard Specification : SPLN 43-7

Construction Data

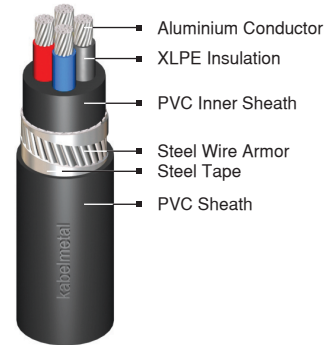
Nom. Cross Section Area	Overall Diameter	Cable Weight
	approx.	approx.
mm ²	mm	kg/km
16	26.5	1,302
25	29.5	1,564
35	32.5	1,881
50	36.5	2,060
70	42.0	2,844
95	46.0	3,382
120	52.0	4,416
150	58.0	5,203
185	62.0	5,975
240	68.5	7,194
300	74.5	8,356

Application :

For installation in the ground, indoors, cable trunking and outdoors if increased mechanical protection is required or where high-pulling stresses may occur during installation or operation.

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 - 35 sqmm supplied in compacted circular stranded (cm) conductor shape
 50 - 300 sqmm supplied in sector shaped stranded (sm) conductor

Standard Packing

16 - 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		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 90°C		in air	in ground	
(mm ²)						
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

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

NA2XRGbY 5 x (16-50) mm² 0.6/1 kV AI / XLPE / SWA / PVC

(Aluminium Conductor, XLPE Insulated, Steel Wire Armor, PVC Sheathed)
Standard Specification : SPLN 43-7

Construction Data

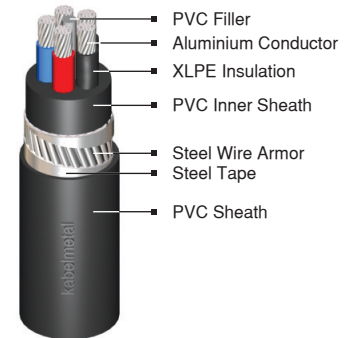
Nom. Cross Section Area	Overall Diameter	Cable Weight
	approx.	approx.
mm ²	mm	kg/km
16	28.5	1,467
25	31.5	1,787
35	35.5	2,183
50	40.5	2,853

Application :

For installation in the ground, indoors, cable trunking and outdoors if increased mechanical protection is required or where high-pulling stresses may occur during installation or operation.

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

Standard Packing

16 - 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	AC Resistance at 90°C		in air	in ground	
	Max. (Ω/km)	Max. (Ω/km)		Max. (A)	Max. (A)	
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

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