

NA2XB(AL)Y 1 x (16-800) mm² 0.6/1 kV AI / XLPE / ATA / PVC

(Aluminium Conductor, XLPE Insulated, Aluminium Tape Armor, PVC Sheathed)
Standard Specification : IEC 60502-1

Construction Data

Nom. Cross Section Area	Overall Diameter	Cable Weight
	approx.	approx.
mm ²	mm	kg/km
16	15.4	288
25	15.6	301
35	16.8	354
50	18.5	433
70	21.0	534
95	22.5	635
120	24.0	725
150	26.5	879
185	28.5	1,035
240	31.5	1,276
300	34.5	1,515
400	40.0	2,072
500	43.0	2,388
630	47.5	2,945
800	52.5	3,605

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

Standard Packing

16 - 630 sqmm supplied in wooden drum @ 1000 m
800 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	1.91	2.449	0.404	0.450	92	92	94	101	1.50
25	1.20	1.539	0.367	0.413	120	119	123	122	2.35
35	0.868	1.113	0.348	0.394	146	142	150	146	3.29
50	0.641	0.822	0.332	0.378	177	168	182	173	4.70
70	0.443	0.568	0.316	0.363	224	206	230	212	6.58
95	0.320	0.411	0.304	0.350	274	246	281	253	8.93
120	0.253	0.325	0.298	0.344	316	280	325	286	11.28
150	0.206	0.265	0.290	0.336	364	314	374	321	14.10
185	0.164	0.211	0.285	0.332	421	355	432	363	17.39
240	0.125	0.162	0.276	0.323	502	412	514	419	22.56
300	0.100	0.130	0.272	0.318	577	463	589	470	28.20
400	0.0778	0.102	0.266	0.312	685	530	697	535	37.60
500	0.0605	0.081	0.264	0.310	786	597	796	600	47.00
630	0.0469	0.064	0.261	0.307	906	670	913	670	59.22
800	0.0367	0.052	0.259	0.305	1028	743	1028	737	75.20

* 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, Galvanized Steel Tape Armor, PVC Sheathed)

Standard Specification : IEC 60502-1

Construction Data

Nom. Cross Section Area	Overall Diameter	Cable Weight
	approx.	approx.
mm ²	mm	kg/km
10	17.4	406
16	19.9	527
25	22.5	660
35	25.0	813
50	28.0	954
70	32.0	1,244
95	36.0	1,585
120	40.5	2,278
150	44.0	2,648
185	50.0	3,288
240	55.0	3,973
300	60.5	4,751

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

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	68	77	0.94
16	1.91	2.449	0.236	92	101	1.50
25	1.20	1.539	0.242	121	129	2.35
35	0.868	1.113	0.234	149	156	3.29
50	0.641	0.822	0.232	181	185	4.70
70	0.443	0.568	0.229	229	228	6.58
95	0.320	0.411	0.224	280	272	8.93
120	0.253	0.325	0.223	329	312	11.28
150	0.206	0.265	0.225	371	347	14.10
185	0.164	0.211	0.225	431	394	17.39
240	0.125	0.162	0.223	508	456	22.56
300	0.100	0.130	0.222	582	514	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, Galvanized Steel Tape Armor, PVC Sheathed)

Standard Specification : IEC 60502-1

Construction Data

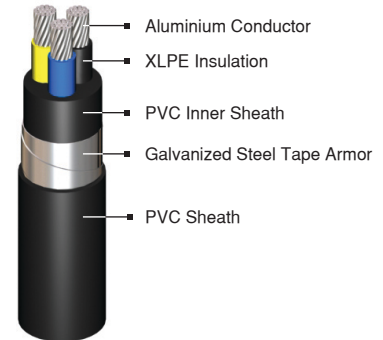
Nom. Cross Section Area	Overall Diameter	Cable Weight
	approx.	approx.
mm ²	mm	kg/km
10	18.2	448
16	21.0	585
25	23.5	743
35	26.0	920
50	28.5	948
70	32.5	1,262
95	36.0	1,589
120	41.0	2,272
150	45.5	2,732
185	50.0	3,262
240	56.0	4,040
300	61.0	4,793

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

Nom. Cross Sect.	Conductor		Inductance	Current - Carrying Capacity		Short circuit current at 1 sec
	DC Resistance at 20°C	AC Resistance at 90°C		Capacity at 30°C *		
				in air	in ground	
(mm ²)	Max. (Ω/km)	Max. (Ω/km)	Max. (A)	Max. (A)	Max. (kA)	
10	3.08	3.949	0.248	58	64	0.94
16	1.91	2.449	0.236	78	85	1.50
25	1.20	1.539	0.242	103	109	2.35
35	0.868	1.113	0.234	127	131	3.29
50	0.641	0.822	0.232	157	159	4.70
70	0.443	0.568	0.229	198	194	6.58
95	0.320	0.411	0.224	242	232	8.93
120	0.253	0.325	0.223	285	266	11.28
150	0.206	0.265	0.225	325	297	14.10
185	0.164	0.211	0.225	377	337	17.39
240	0.125	0.162	0.223	446	391	22.56
300	0.100	0.130	0.222	512	441	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

AI / XLPE / STA / PVC

(Aluminium Conductor, XLPE Insulated, Galvanized Steel Tape Armor, PVC Sheathed)

Standard Specification : IEC 60502-1

Construction Data

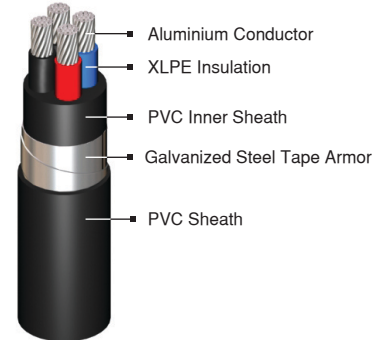
Nom. Cross Section Area	Overall Diameter	Cable Weight
	approx.	approx.
mm ²	mm	kg/km
10	19.7	519
16	23.0	685
25	25.5	880
35	28.5	1,097
50	32.5	1,196
70	37.0	1,586
95	42.5	2,399
120	47.5	2,919
150	53.5	3,482
185	57.5	4,125
240	64.0	5,122
300	69.5	6,088

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 - 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 Max. (A)	in ground Max. (A)	
10	3.08	3.949	0.248	64	70	0.94
16	1.91	2.449	0.236	86	91	1.50
25	1.20	1.539	0.242	114	118	2.35
35	0.868	1.113	0.234	141	142	3.29
50	0.641	0.822	0.232	166	163	4.70
70	0.443	0.568	0.229	209	199	6.58
95	0.320	0.411	0.224	259	239	8.93
120	0.253	0.325	0.223	300	272	11.28
150	0.206	0.265	0.225	349	307	14.10
185	0.164	0.211	0.225	399	346	17.39
240	0.125	0.162	0.223	473	401	22.56
300	0.100	0.130	0.222	543	453	28.20

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

NA2XBY 5 x (10-50) mm² 0.6/1 kV

AI / XLPE / STA / PVC

(Aluminium Conductor, XLPE Insulated, Galvanized Steel Tape Armor, PVC Sheathed)
Standard Specification : IEC 60502-1

Construction Data

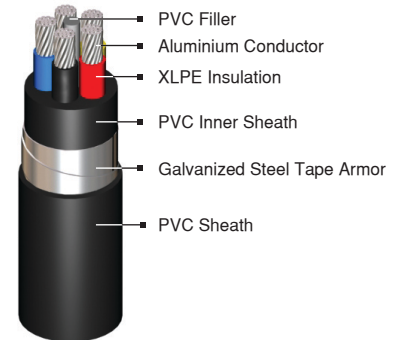
Nom. Cross Section Area	Overall Diameter	Cable Weight
	approx.	approx.
mm ²	mm	kg/km
10	21.5	602
16	25.0	802
25	28.0	1,038
35	31.5	1,315
50	36.0	1,632

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 - 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		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	
10	3.08	3.949	0.248	66	71	0.94
16	1.91	2.449	0.236	89	93	1.50
25	1.20	1.539	0.242	119	120	2.35
35	0.868	1.113	0.234	146	144	3.29
50	0.641	0.822	0.232	179	170	4.70

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