

NA2XFGbY 2 x (10-300) mm² 0.6/1 kV

AI / XLPE / SFWA / PVC

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

Standard Specification : IEC 60502-1

Construction Data

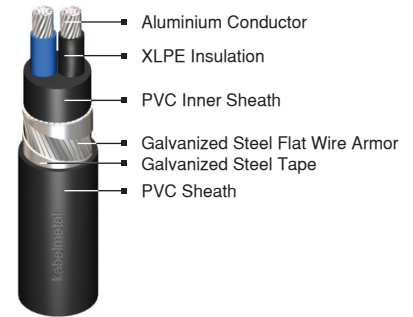
Nom. Cross Section Area	Overall Diameter	Cable Weight
	approx.	approx.
mm ²	mm	kg/km
10	18.8	662
16	21.5	804
25	24.0	986
35	26.0	1,187
50	29.5	1,375
70	33.5	1,711
95	37.5	2,125
120	41.0	2,489
150	44.0	2,876
185	50.5	3,552
240	55.0	4,263
300	60.5	5,106

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

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	70	77	0.94
16	1.91	2.449	0.236	95	102	1.50
25	1.20	1.539	0.242	123	130	2.35
35	0.868	1.113	0.234	151	157	3.29
50	0.641	0.822	0.232	184	186	4.70
70	0.443	0.568	0.229	232	229	6.58
95	0.320	0.411	0.224	284	274	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	432	394	17.39
240	0.125	0.162	0.223	509	457	22.56
300	0.100	0.130	0.222	583	515	28.20

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

NA2XFGbY 3 x (10-300) mm² 0.6/1 kV

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Construction Data

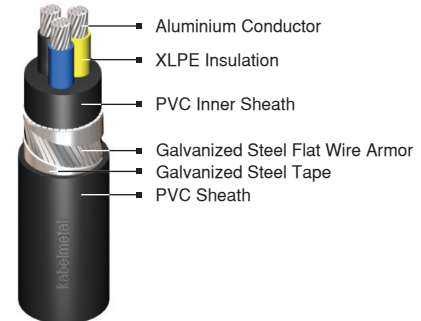
Nom. Cross Section Area	Overall Diameter	Cable Weight
	approx.	approx.
mm ²	mm	kg/km
10	19.7	702
16	22.5	887
25	25.0	1,093
35	27.5	1,318
50	30.0	1,382
70	34.5	1,770
95	37.5	2,130
120	41.0	2,488
150	46.0	2,976
185	50.5	3,533
240	56.0	4,327
300	61.0	5,127

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

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 at 30°C *		Short circuit current at 1 sec
	DC Resistance at 20°C	AC Resistance at 90°C		in air	in ground	
10	3.08	3.949	0.248	59	65	0.94
16	1.91	2.449	0.236	80	85	1.50
25	1.20	1.539	0.242	105	109	2.35
35	0.868	1.113	0.234	129	132	3.29
50	0.641	0.822	0.232	160	160	4.70
70	0.443	0.568	0.229	201	195	6.58
95	0.320	0.411	0.224	246	234	8.93
120	0.253	0.325	0.223	286	266	11.28
150	0.206	0.265	0.225	326	297	14.10
185	0.164	0.211	0.225	378	338	17.39
240	0.125	0.162	0.223	447	391	22.56
300	0.100	0.130	0.222	513	442	28.20

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

NA2XFGbY 4 x (10-300) mm² 0.6/1 kV

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Construction Data

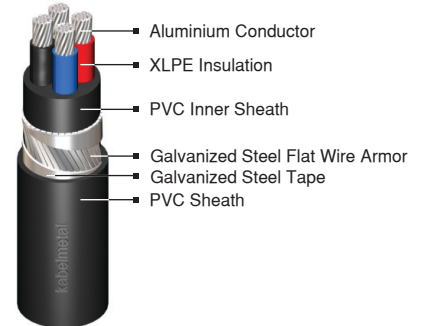
Nom. Cross Section Area	Overall Diameter	Cable Weight
	approx.	approx.
mm ²	mm	kg/km
10	21.5	797
16	24.5	1,010
25	27.0	1,253
35	30.0	1,517
50	34.0	1,678
70	38.5	2,142
95	42.5	2,623
120	47.5	3,169
150	53.5	3,767
185	57.5	4,421
240	64.5	5,471
300	70.0	6,483

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

- 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	in ground	
				Max. (A)	Max. (A)	
10	3.08	3.949	0.248	65	71	0.94
16	1.91	2.449	0.236	88	92	1.50
25	1.20	1.539	0.242	117	119	2.35
35	0.868	1.113	0.234	144	143	3.29
50	0.641	0.822	0.232	169	164	4.70
70	0.443	0.568	0.229	211	200	6.58
95	0.320	0.411	0.224	259	240	8.93
120	0.253	0.325	0.223	301	272	11.28
150	0.206	0.265	0.225	350	307	14.10
185	0.164	0.211	0.225	400	347	17.39
240	0.125	0.162	0.223	474	402	22.56
300	0.100	0.130	0.222	544	454	28.20

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

NA2XFGbY 5 x (10-50) mm² 0.6/1 kV

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Construction Data

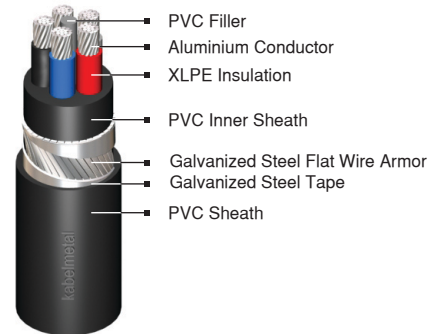
Nom. Cross Section Area	Overall Diameter	Cable Weight
	approx.	approx.
mm ²	mm	kg/km
10	23.0	903
16	26.5	1,176
25	29.5	1,459
35	33.0	1,784
50	37.5	2,189

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

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 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)	
10	3.08	3.949	0.248	68	72	0.94
16	1.91	2.449	0.236	91	94	1.50
25	1.20	1.539	0.242	121	121	2.35
35	0.868	1.113	0.234	149	145	3.29
50	0.641	0.822	0.232	181	171	4.70

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