

NA2XKFGbY 2 x (10-300) mm² 0.6/1 kV

AI / XLPE / LS / PVC / SFWA / PVC

(Aluminium Conductor, XLPE Insulated, Lead Sheathed, 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	23.0	1,454
16	25.5	1,708
25	28.0	1,987
35	30.5	2,274
50	33.5	2,756
70	38.5	3,464
95	42.5	4,223
120	46.5	4,985
150	50.0	5,747
185	56.5	7,047
240	62.0	8,561
300	68.0	10,070

Application :

For indoors, outdoors, in ground and in duct. Mainly on chemical industries, refineries, petrol stations and any other locations where that is a risk that solvent, fuel and other chemicals may penetrate and high pulling stresses may occur during installation and 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 - 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	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	72	77	0.94
16	1.91	2.449	0.236	97	101	1.50
25	1.20	1.539	0.242	126	129	2.35
35	0.868	1.113	0.234	154	156	3.29
50	0.641	0.822	0.232	186	184	4.70
70	0.443	0.568	0.229	234	226	6.58
95	0.320	0.411	0.224	285	270	8.93
120	0.253	0.325	0.223	330	308	11.28
150	0.206	0.265	0.225	371	342	14.10
185	0.164	0.211	0.225	429	388	17.39
240	0.125	0.162	0.223	504	448	22.56
300	0.100	0.130	0.222	574	503	28.20

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

NA2XKFGbY 3 x (10-300) mm² 0.6/1 kV

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Standard Specification : IEC 60502-1

Construction Data

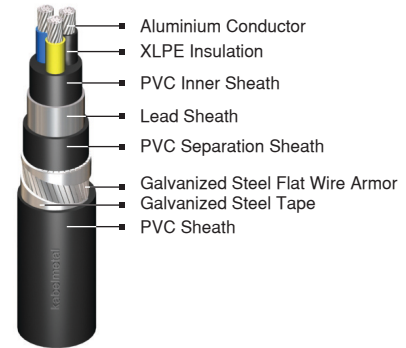
Nom. Cross Section Area	Overall Diameter	Cable Weight
	approx.	approx.
mm ²	mm	kg/km
10	24.0	1,533
16	27.0	1,839
25	29.0	2,150
35	32.5	2,597
50	34.5	2,757
70	39.5	3,468
95	43.5	4,151
120	47.0	4,823
150	52.0	5,772
185	57.0	6,797
240	63.5	8,403
300	69.0	9,757

Application :

For indoors, outdoors, in ground and in duct. Mainly on chemical industries, refineries, petrol stations and any other locations where that is a risk that solvent, fuel and other chemicals may penetrate and high pulling stresses may occur during installation and 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 - 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	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	61	65	0.94
16	1.91	2.449	0.236	82	85	1.50
25	1.20	1.539	0.242	106	108	2.35
35	0.868	1.113	0.234	131	130	3.29
50	0.641	0.822	0.232	162	158	4.70
70	0.443	0.568	0.229	203	193	6.58
95	0.320	0.411	0.224	247	231	8.93
120	0.253	0.325	0.223	287	263	11.28
150	0.206	0.265	0.225	326	293	14.10
185	0.164	0.211	0.225	376	332	17.39
240	0.125	0.162	0.223	443	384	22.56
300	0.100	0.130	0.222	506	432	28.20

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

NA2XKFGbY 4 x (10-300) mm² 0.6/1 kV

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Construction Data

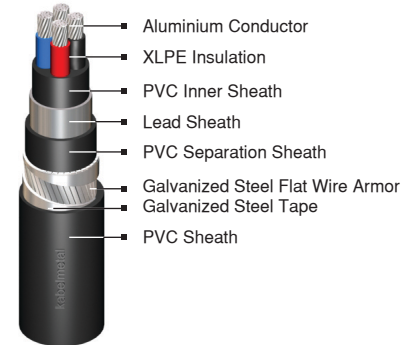
Nom. Cross Section Area	Overall Diameter	Cable Weight
	approx.	approx.
mm ²	mm	kg/km
10	25.5	1,694
16	28.5	2,042
25	31.5	2,502
35	35.0	2,928
50	39.0	3,392
70	44.5	4,242
95	48.5	5,076
120	54.0	6,072
150	60.5	7,269
185	65.0	8,608
240	72.5	10,592
300	78.5	12,273

Application :

For indoors, outdoors, in ground and in duct. Mainly on chemical industries, refineries, petrol stations and any other locations where that is a risk that solvent, fuel and other chemicals may penetrate and high pulling stresses may occur during installation and 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 - 50 sqmm supplied in wooden drum @ 1000 m
- 70 - 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	67	70	0.94
16	1.91	2.449	0.236	90	91	1.50
25	1.20	1.539	0.242	119	117	2.35
35	0.868	1.113	0.234	145	140	3.29
50	0.641	0.822	0.232	171	162	4.70
70	0.443	0.568	0.229	213	197	6.58
95	0.320	0.411	0.224	260	237	8.93
120	0.253	0.325	0.223	301	268	11.28
150	0.206	0.265	0.225	348	303	14.10
185	0.164	0.211	0.225	397	341	17.39
240	0.125	0.162	0.223	467	393	22.56
300	0.100	0.130	0.222	533	442	28.20

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

NA2XKFGbY 5 x (10-50) mm² 0.6/1 kV

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Construction Data

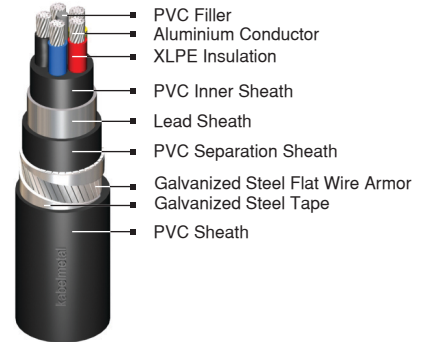
Nom. Cross Section Area	Overall Diameter	Cable Weight
	approx.	approx.
mm ²	mm	kg/km
10	27.0	1,872
16	30.5	2,270
25	34.0	2,836
35	38.0	3,451
50	42.5	4,251

Application :

For indoors, outdoors, in ground and in duct. Mainly on chemical industries, refineries, petrol stations and any other locations where that is a risk that solvent, fuel and other chemicals may penetrate and high pulling stresses may occur during installation and 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 - 35 sqmm supplied in wooden drum @ 1000 m
50 sqmm will be supplied in wooden drum on available length
Length Tolerance per drum $\pm 2\%$

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)		Capacity		
				in air Max. (A)	in ground Max. (A)	
10	3.08	3.949	0.248	69	71	0.94
16	1.91	2.449	0.236	93	93	1.50
25	1.20	1.539	0.242	122	119	2.35
35	0.868	1.113	0.234	150	142	3.29
50	0.641	0.822	0.232	181	167	4.70

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