

NA2XKR(AL)Y 1 x (16-800) mm² 0.6/1 kV

AI / XLPE / LS / PVC / AWA / PVC

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

Construction Data

Nom. Cross Section Area	Overall Diameter	Cable Weight
	approx.	approx.
mm²	mm	kg/km
16	23.0	1,102
25	23.0	1,104
35	23.0	1,132
50	24.0	1,217
70	26.5	1,456
95	28.0	1,642
120	30.0	1,885
150	32.5	2,189
185	35.0	2,572
240	39.5	3,206
300	42.5	3,622
400	48.0	4,672
500	53.0	5,518
630	58.0	6,591
800	63.0	7,847

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

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 - 300 sqmm supplied in wooden drum @ 1000 m
400 - 800 sqmm will be suplied 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	Trefoil formation 	Flat formation 					
					in air	in ground	in air	in ground	
					Max. (Ω/km)	Max. (Ω/km)	Max. (A)	Max. (A)	
(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	0.481	0.527	99	92	102	95	1.50
25	1.20	1.539	0.441	0.487	130	120	133	123	2.35
35	0.868	1.113	0.409	0.455	157	144	161	147	3.29
50	0.641	0.822	0.381	0.427	190	171	195	175	4.70
70	0.443	0.568	0.365	0.411	239	209	245	214	6.58
95	0.320	0.411	0.349	0.395	290	249	297	254	8.93
120	0.253	0.325	0.342	0.388	334	282	342	287	11.28
150	0.206	0.265	0.332	0.378	382	315	390	321	14.10
185	0.164	0.211	0.326	0.373	438	355	447	360	17.39
240	0.125	0.161	0.320	0.366	518	407	525	410	22.56
300	0.100	0.130	0.314	0.360	588	454	593	455	28.20
400	0.0778	0.102	0.303	0.349	687	513	689	510	37.60
500	0.0605	0.080	0.306	0.352	773	563	769	556	47.00
630	0.0469	0.063	0.300	0.346	874	622	864	609	59.22
800	0.0367	0.051	0.296	0.342	973	677	957	660	75.20

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

NA2XKRY 2 x (10-300) mm² 0.6/1 kV

AI / XLPE / LS / PVC / SWA / PVC

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

Construction Data

Nom. Cross Section Area	Overall Diameter	Cable Weight
	approx.	approx.
mm²	mm	kg/km
10	24.0	1,441
16	27.0	1,860
25	29.5	2,143
35	32.0	2,472
50	35.0	2,958
70	40.5	3,934
95	45.0	4,773
120	50.0	5,975
150	54.0	6,836
185	60.5	8,250
240	66.0	9,861
300	72.0	11,513

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

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	
						Max. (Ω/km)
(mm²)			(mH/km)			
10	3.08	3.949	0.248	73	77	0.94
16	1.91	2.449	0.236	98	102	1.50
25	1.20	1.539	0.242	127	130	2.35
35	0.868	1.113	0.234	156	156	3.29
50	0.641	0.822	0.232	188	185	4.70
70	0.443	0.568	0.229	238	228	6.58
95	0.320	0.411	0.224	289	272	8.93
120	0.253	0.325	0.223	337	311	11.28
150	0.206	0.265	0.225	379	345	14.10
185	0.164	0.211	0.225	437	392	17.39
240	0.125	0.162	0.223	514	453	22.56
300	0.100	0.130	0.222	585	509	28.20

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

NA2XKRY 3 x (10-300) mm² 0.6/1 kV

AI / XLPE / LS / PVC / SWA / PVC

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

Construction Data

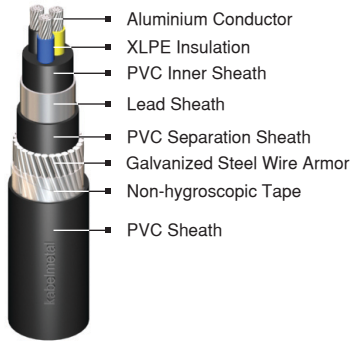
Nom. Cross Section Area	Overall Diameter	Cable Weight
	approx.	approx.
mm ²	mm	kg/km
10	25.5	1,669
16	28.0	1,992
25	30.5	2,307
35	33.5	2,771
50	37.0	3,183
70	42.0	3,954
95	45.5	4,681
120	50.5	5,842
150	56.0	6,872
185	61.0	8,003
240	67.5	9,743
300	72.5	11,202

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 $\pm 2\%$

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)	Max. (Ω/km)	Max. (Ω/km)	(mH/km)	Max. (A)	Max. (A)	Max. (kA)
10	3.08	3.949	0.248	62	65	0.94
16	1.91	2.449	0.236	83	85	1.50
25	1.20	1.539	0.242	108	109	2.35
35	0.868	1.113	0.234	133	131	3.29
50	0.641	0.822	0.232	165	159	4.70
70	0.443	0.568	0.229	206	194	6.58
95	0.320	0.411	0.224	252	233	8.93
120	0.253	0.325	0.223	294	266	11.28
150	0.206	0.265	0.225	333	296	14.10
185	0.164	0.211	0.225	384	336	17.39
240	0.125	0.162	0.223	452	388	22.56
300	0.100	0.130	0.222	517	438	28.20

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

NA2XKRY 4 x (10-300) mm² 0.6/1 kV

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Standard Specification : IEC 60502-1

Construction Data

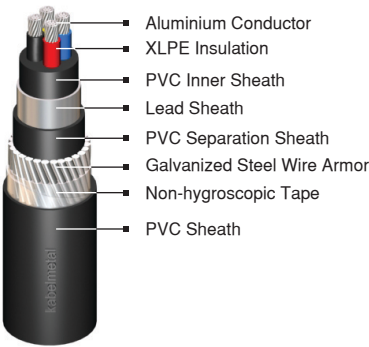
Nom. Cross Section Area	Overall Diameter	Cable Weight
	approx.	approx.
mm²	mm	kg/km
10	27.0	1,846
16	30.0	2,211
25	33.0	2,688
35	37.0	3,362
50	41.5	3,878
70	46.5	4,766
95	52.5	6,117
120	57.5	7,219
150	64.0	8,549
185	69.0	9,955
240	76.0	12,104
300	83.5	14,803

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

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	68	70	0.94
16	1.91	2.449	0.236	92	92	1.50
25	1.20	1.539	0.242	121	118	2.35
35	0.868	1.113	0.234	149	142	3.29
50	0.641	0.822	0.232	174	163	4.70
70	0.443	0.568	0.229	216	199	6.58
95	0.320	0.411	0.224	267	239	8.93
120	0.253	0.325	0.223	308	271	11.28
150	0.206	0.265	0.225	355	306	14.10
185	0.164	0.211	0.225	405	344	17.39
240	0.125	0.162	0.223	477	398	22.56
300	0.100	0.130	0.222	547	449	28.20

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

NA2XKRY 5 x (10-50) mm² 0.6/1 kV

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Construction Data

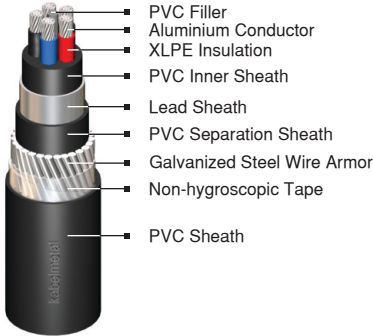
Nom. Cross Section Area	Overall Diameter	Cable Weight
	approx.	approx.
mm ²	mm	kg/km
10	28.5	2,025
16	32.0	2,453
25	35.5	3,026
35	40.5	3,922
50	45.0	4,800

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 ± 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	71	72	0.94
16	1.91	2.449	0.236	95	93	1.50
25	1.20	1.539	0.242	124	120	2.35
35	0.868	1.113	0.234	153	144	3.29
50	0.641	0.822	0.232	185	169	4.70

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