

NA2XKY 1 x (16-800) mm² 0.6/1 kV

AI / XLPE / LS / PVC

(Aluminium Conductor, XLPE Insulated, Lead Sheathed, 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	17.7	848
25	17.7	850
35	17.7	873
50	18.9	959
70	21.0	1,135
95	23.0	1,307
120	25.0	1,526
150	27.5	1,791
185	30.0	2,140
240	33.5	2,634
300	36.0	2,978
400	42.0	3,946
500	45.0	4,545
630	50.0	5,474
800	55.0	6,613

Application :

For indoors, outdoors, in ground and in duct. Mainly on chemical industries, refineries, petrol stations and any other locations where there is a risk that solvent, fuel and other chemicals may penetrate and mechanical damage is not likely to 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
- Nylon Coated



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 - 400 sqmm supplied in wooden drum @ 1000 m
500 - 800 sqmm will be supplied in wooden drum on available length
Length Tolerance per drum ± 2%

Electrical Data

Nom. Cross Sect. (mm ²)	Conductor		Inductance		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)	Trefoil formation  (mH/km)	Flat formation  (mH/km)					
					in air Max. (A)	in ground Max. (A)	in air Max. (A)	in ground Max. (A)	
16	1.91	2.449	0.431	0.478	94	91	96	94	1.50
25	1.20	1.539	0.391	0.438	122	118	125	122	2.35
35	0.868	1.113	0.360	0.406	148	142	152	146	3.29
50	0.641	0.822	0.337	0.383	179	169	184	174	4.70
70	0.443	0.568	0.320	0.366	226	207	233	213	6.58
95	0.320	0.411	0.309	0.355	277	247	285	254	8.93
120	0.253	0.325	0.305	0.351	321	281	330	289	11.28
150	0.206	0.265	0.298	0.344	370	316	381	325	14.10
185	0.164	0.211	0.295	0.341	429	358	441	368	17.39
240	0.125	0.162	0.288	0.334	513	416	528	427	22.56
300	0.100	0.130	0.281	0.328	591	470	607	481	28.20
400	0.0778	0.102	0.276	0.322	705	540	723	552	37.60
500	0.0605	0.081	0.274	0.321	812	612	833	625	47.00
630	0.0469	0.064	0.270	0.316	944	694	965	706	59.22
800	0.0367	0.052	0.269	0.315	1079	776	1099	786	75.20

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

NA2XKY 2 x (10-300) mm² 0.6/1 kV AI / XLPE / LS / PVC

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

Construction Data

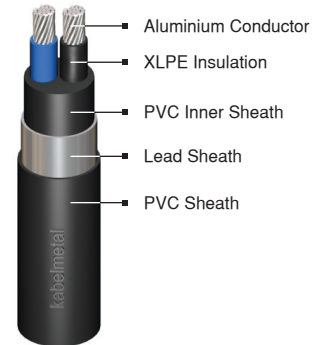
Nom. Cross Section Area	Overall Diameter	Cable Weight
	approx.	approx.
mm ²	mm	kg/km
10	19.7	954
16	22.5	1,163
25	24.5	1,374
35	27.0	1,616
50	30.0	1,995
70	34.5	2,571
95	38.5	3,233
120	42.5	3,865
150	46.0	4,500
185	52.0	5,611
240	57.5	6,916
300	63.0	8,255

Application :

For indoors, outdoors, in ground and in duct. Mainly on chemical industries, refineries, petrol stations and any other locations where there is a risk that solvent, fuel and other chemicals may penetrate and mechanical damage is not likely to 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
- Nylon Coated



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 - 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.	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	70	77	0.94
16	1.91	2.449	0.236	95	101	1.50
25	1.20	1.539	0.242	123	129	2.35
35	0.868	1.113	0.234	151	156	3.29
50	0.641	0.822	0.232	183	185	4.70
70	0.443	0.568	0.229	232	228	6.58
95	0.320	0.411	0.224	283	272	8.93
120	0.253	0.325	0.223	329	310	11.28
150	0.206	0.265	0.225	372	346	14.10
185	0.164	0.211	0.225	433	394	17.39
240	0.125	0.162	0.223	510	456	22.56
300	0.100	0.130	0.222	584	514	28.20

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

NA2XKY 3 x (10-300) mm² 0.6/1 kV AI / XLPE / LS / PVC

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

Construction Data

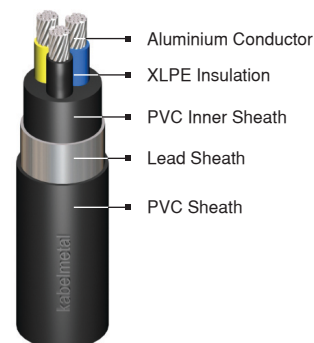
Nom. Cross Section Area	Overall Diameter	Cable Weight
	approx.	approx.
mm ²	mm	kg/km
10	21.0	1,026
16	23.5	1,260
25	26.0	1,502
35	28.5	1,861
50	31.0	1,978
70	35.5	2,559
95	39.0	3,123
120	43.0	3,729
150	47.5	4,485
185	52.5	5,385
240	59.0	6,776
300	64.0	7,940

Application :

For indoors, outdoors, in ground and in duct. Mainly on chemical industries, refineries, petrol stations and any other locations where there is a risk that solvent, fuel and other chemicals may penetrate and mechanical damage is not likely to 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
- Nylon Coated



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.	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	60	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	131	3.29
50	0.641	0.822	0.232	160	159	4.70
70	0.443	0.568	0.229	201	195	6.58
95	0.320	0.411	0.224	247	233	8.93
120	0.253	0.325	0.223	286	266	11.28
150	0.206	0.265	0.225	327	297	14.10
185	0.164	0.211	0.225	379	337	17.39
240	0.125	0.162	0.223	449	391	22.56
300	0.100	0.130	0.222	517	442	28.20

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

NA2XKY 4 x (10-300) mm² 0.6/1 kV

AI / XLPE / LS / PVC

(Aluminium Conductor, XLPE Insulated, Lead Sheathed, PVC Sheathed)

Standard Specification : IEC 60502-1

Construction Data

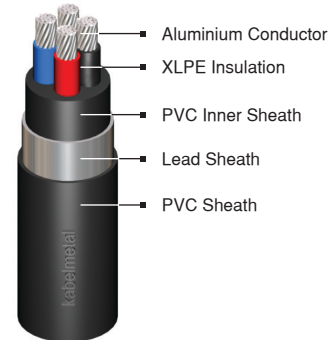
Nom. Cross Section Area	Overall Diameter	Cable Weight
	approx.	approx.
mm ²	mm	kg/km
10	22.5	1,150
16	25.5	1,424
25	28.0	1,797
35	31.0	2,131
50	35.5	2,484
70	40.0	3,178
95	44.5	3,916
120	49.5	4,743
150	56.0	5,753
185	60.0	6,913
240	67.5	8,688
300	73.5	10,193

Application :

For indoors, outdoors, in ground and in duct. Mainly on chemical industries, refineries, petrol stations and any other locations where there is a risk that solvent, fuel and other chemicals may penetrate and mechanical damage is not likely to 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
- Nylon Coated



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 - 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 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	65	70	0.94
16	1.91	2.449	0.236	88	92	1.50
25	1.20	1.539	0.242	117	118	2.35
35	0.868	1.113	0.234	144	142	3.29
50	0.641	0.822	0.232	169	163	4.70
70	0.443	0.568	0.229	212	199	6.58
95	0.320	0.411	0.224	260	239	8.93
120	0.253	0.325	0.223	302	272	11.28
150	0.206	0.265	0.225	350	307	14.10
185	0.164	0.211	0.225	402	347	17.39
240	0.125	0.162	0.223	476	401	22.56
300	0.100	0.130	0.222	546	453	28.20

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

NA2XKY 5 x (10-50) mm² 0.6/1 kV AI / XLPE / LS / PVC

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

Construction Data

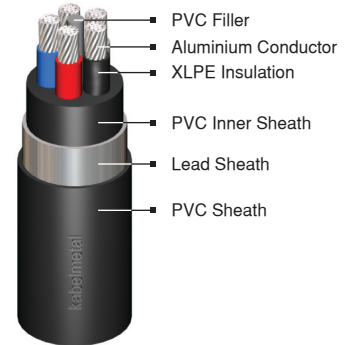
Nom. Cross Section Area	Overall Diameter	Cable Weight
	approx.	approx.
mm ²	mm	kg/km
10	24.0	1,291
16	27.0	1,611
25	30.5	2,045
35	34.0	2,559
50	39.0	3,260

Application :

For indoors, outdoors, in ground and in duct. Mainly on chemical industries, refineries, petrol stations and any other locations where there is a risk that solvent, fuel and other chemicals may penetrate and mechanical damage is not likely to 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
- Nylon Coated



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	68	71	0.94
16	1.91	2.449	0.236	91	93	1.50
25	1.20	1.539	0.242	121	120	2.35
35	0.868	1.113	0.234	149	144	3.29
50	0.641	0.822	0.232	181	169	4.70

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