NA2XKB(AL)Y 1 x (16-800) mm² 0.6/1 kV

Al / XLPE / LS / PVC / DATA / PVC

(Aluminium Conductor, XLPE Insulated, Lead Sheathed, Double Aluminium Tape 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	22.0	1,042
25	22.0	1,044
35	21.5	1,051
50	23.0	1,155
70	25.0	1,351
95	26.5	1,528
120	28.5	1,763
150	30.5	2,038
185	33.5	2,410
240	37.0	2,933
300	39.5	3,335
400	45.5	4,340
500	49.0	4,990
630	54.0	6,012
800	59.5	7,208

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 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 - 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	
(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	0.471	0.517	98	92	100	94	1.50
25	1.20	1.539	0.431	0.478	128	119	131	122	2.35
35	0.868	1.113	0.397	0.444	155	143	159	147	3.29
50	0.641	0.822	0.372	0.418	187	170	192	174	4.70
70	0.443	0.568	0.353	0.399	235	208	241	213	6.58
95	0.320	0.411	0.338	0.384	285	248	293	254	8.93
120	0.253	0.325	0.331	0.377	329	282	337	288	11.28
150	0.206	0.265	0.321	0.367	377	316	386	322	14.10
185	0.164	0.211	0.316	0.362	435	357	445	363	17.39
240	0.125	0.161	0.307	0.353	516	412	526	418	22.56
300	0.100	0.130	0.301	0.347	589	462	599	467	28.20
400	0.0778	0.102	0.292	0.338	695	526	703	529	37.60
500	0.0605	0.080	0.290	0.336	793	591	797	589	47.00
630	0.0469	0.064	0.286	0.332	908	660	906	653	59.22
800	0.0367	0.051	0.283	0.329	1023	727	1012	713	75.20

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

25833-01 Rev. 2.0 / 2009

NA2XKBY 2 x (10-300) mm² 0.6/1 kV

Al / XLPE / LS / PVC / DSTA / PVC

(Aluminium Conductor, XLPE Insulated, Lead Sheathed, Double Galvanized Steel Tape 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	22.0	1,127
16	24.5	1,359
25	26.5	1,590
35	29.0	1,855
50	32.0	2,274
70	36.5	2,908
95	42.5	4,002
120	46.0	4,730
150	50.0	5,479
185	56.5	6,749
240	62.0	8,196
300	68.0	9,690

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 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 - 70 sqmm supplied in wooden drum @ 1000 m
95 - 300 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		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	71	76	0.94
16	1.91	2.449	0.236	95	100	1.50
25	1.20	1.539	0.242	124	128	2.35
35	0.868	1.113	0.234	152	155	3.29
50	0.641	0.822	0.232	183	183	4.70
70	0.443	0.568	0.229	232	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*

25833-02 Rev. 2.0 / 2009

NA2XKBY 3 x (10-300) mm² 0.6/1 kV

Al / XLPE / LS / PVC / DSTA / PVC

(Aluminium Conductor, XLPE Insulated, Lead Sheathed, Double Galvanized Steel Tape 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	22.5	1,207
16	25.5	1,465
25	27.5	1,729
35	30.5	2,114
50	33.0	2,264
70	39.0	3,261
95	43.0	3,934
120	46.5	4,593
150	51.5	5,469
185	57.0	6,496
240	63.5	8,045
300	68.5	9,377

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 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 - 95 sqmm supplied in wooden drum @ 1000 m
120 - 300 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		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	60	64	0.94
16	1.91	2.449	0.236	81	84	1.50
25	1.20	1.539	0.242	105	108	2.35
35	0.868	1.113	0.234	129	130	3.29
50	0.641	0.822	0.232	160	157	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	294	14.10
185	0.164	0.211	0.225	376	333	17.39
240	0.125	0.162	0.223	443	384	22.56
300	0.100	0.130	0.222	507	433	28.20

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

25833-03 Rev. 2.0 / 2009

NA2XKBY 4 x (10-300) mm² 0.6/1 kV

Al / XLPE / LS / PVC / DSTA / PVC

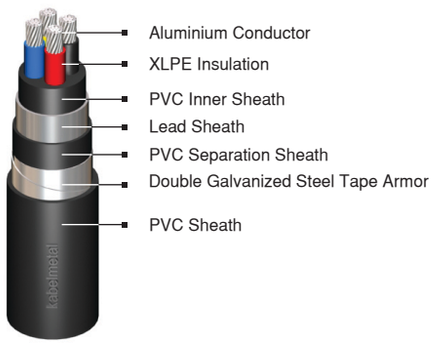
(Aluminium Conductor, XLPE Insulated, Lead Sheathed, Double Galvanized Steel Tape Armor, PVC Sheathed)
Standard Specification : IEC 60502-1

Construction Data

Nom. Cross Section Area	Overall Diameter	Cable Weight
	approx.	approx.
mm²	mm	kg/km
10	24.0	1,344
16	27.0	1,646
25	30.0	2,044
35	33.0	2,421
50	37.5	2,827
70	44.0	4,009
95	48.5	4,812
120	53.5	5,762
150	60.0	6,932
185	65.0	8,240
240	72.0	10,172
300	78.0	11,838

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 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 - 50 sqmm supplied in wooden drum @ 1000 m
70 - 300 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		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	66	69	0.94
16	1.91	2.449	0.236	89	91	1.50
25	1.20	1.539	0.242	117	117	2.35
35	0.868	1.113	0.234	143	140	3.29
50	0.641	0.822	0.232	168	161	4.70
70	0.443	0.568	0.229	212	197	6.58
95	0.320	0.411	0.224	260	237	8.93
120	0.253	0.325	0.223	301	269	11.28
150	0.206	0.265	0.225	347	303	14.10
185	0.164	0.211	0.225	397	341	17.39
240	0.125	0.162	0.223	467	394	22.56
300	0.100	0.130	0.222	534	443	28.20

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

25833-04 Rev. 2.0 / 2009

NA2XKBY 5 x (10-50) mm² 0.6/1 kV

Al / XLPE / LS / PVC / DSTA / PVC

(Aluminium Conductor, XLPE Insulated, Lead Sheathed, Double Galvanized Steel Tape 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	25.5	1,500
16	29.0	1,851
25	32.5	2,328
35	36.5	2,894
50	42.5	4,033

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 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 - 35 sqmm supplied in wooden drum @ 1000 m
50 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		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	68	71	0.94
16	1.91	2.449	0.236	92	92	1.50
25	1.20	1.539	0.242	121	119	2.35
35	0.868	1.113	0.234	148	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*

25833-05 Rev. 2.0 / 2009