

NA2XSKB(AL)Y 1 x (25-630) mm² 3.6/6 kV AI / XLPE/ CTS / PVC / LS / PVC / DATA / PVC

(Aluminium Conductor, XLPE Insulated, Copper Tape Screen, Lead Sheathed, Double Aluminium Tape Armor, PVC Sheathed)
Standard Specification : IEC 60502-2

Construction Data

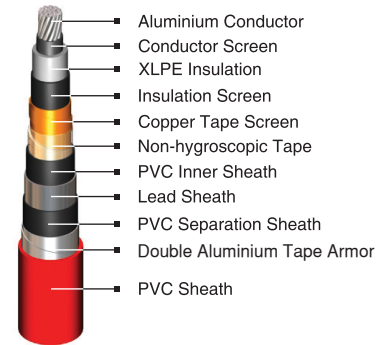
Nom. Cross Section Area	Overall Diameter	Cable Weight
	approx.	approx.
mm ²	mm	kg/km
25	25.5	1,472
35	26.5	1,603
50	28.0	1,725
70	30.0	2,031
95	32.0	2,263
120	33.5	2,550
150	35.0	2,721
185	37.0	2,985
240	40.0	3,545
300	43.0	4,117
400	47.5	4,847
500	51.5	5,719
630	57.0	6,865

Application :

For indoor, outdoor, 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

25 - 630 sqmm supplied in compacted circular stranded (cm) conductor shape

Standard Packing

25 - 240 sqmm supplied in wooden drum @ 1000 m

300 - 630 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. (mm ²)	DC Resistance at 20°C	AC Resistance at 90°C	Trefoil formation	Flat formation	⊗⊗⊗		⊙⊙⊙		Conductor	Screen
	Max. (Ω/km)	Max. (Ω/km)	(mH/km)	(mH/km)	in air	in ground	in air	in ground		
25	1.20	1.539	0.479	0.526	132	120	135	122	2.35	1.14
35	0.868	1.113	0.452	0.498	160	143	164	146	3.29	1.14
50	0.641	0.822	0.433	0.479	191	169	195	172	4.70	1.14
70	0.443	0.568	0.409	0.455	239	207	245	211	6.58	1.14
95	0.320	0.411	0.391	0.437	290	247	297	252	8.93	1.14
120	0.253	0.325	0.378	0.424	335	281	343	287	11.28	1.14
150	0.206	0.265	0.368	0.414	378	313	386	320	14.10	1.14
185	0.164	0.211	0.355	0.401	434	355	444	362	17.39	1.14
240	0.125	0.161	0.347	0.393	511	409	522	417	22.56	1.14
300	0.100	0.129	0.340	0.387	584	460	595	467	28.20	1.14
400	0.0778	0.101	0.329	0.375	683	526	694	532	37.60	1.14
500	0.0605	0.080	0.324	0.370	786	595	796	599	47.00	1.14
630	0.0469	0.063	0.312	0.358	915	673	922	675	59.22	1.14

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

NA2XSKB(AL)Y 1 x (25-630) mm² 6/10 kV

AI / XLPE/ CTS / PVC / LS / PVC / DATA / PVC

(Aluminium Conductor, XLPE Insulated, Copper Tape Screen, Lead Sheathed, Double Aluminium Tape Armor, PVC Sheathed)
Standard Specification : IEC 60502-2

Construction Data

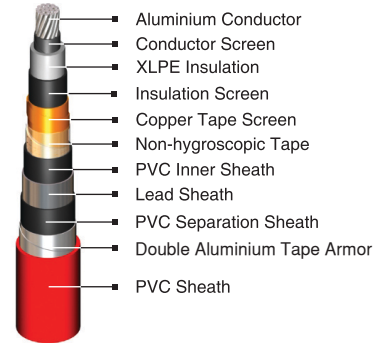
Nom. Cross Section Area	Overall Diameter	Cable Weight
	approx.	approx.
mm ²	mm	kg/km
25	27.5	1,645
35	29.0	1,791
50	30.0	1,999
70	32.0	2,236
95	34.0	2,504
120	35.5	2,735
150	37.0	3,033
185	39.5	3,382
240	42.5	3,907
300	44.5	4,210
400	48.5	4,982
500	52.0	5,803
630	57.5	6,929

Application :

For indoor, outdoor, 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

25 - 630 sqmm supplied in compacted circular stranded (cm) conductor shape

Standard Packing

25 - 240 sqmm supplied in wooden drum @ 1000 m
300 - 630 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. (mm ²)	DC Resistance at 20°C	AC Resistance at 90°C	Trefoil formation	Flat formation	⊗⊗⊗		⊙⊙⊙		Conductor	Screen
	Max. (Ω/km)	Max. (Ω/km)	(mH/km)	(mH/km)	in air	in ground	in air	in ground		
25	1.20	1.539	0.494	0.540	133	119	136	122	2.35	1.14
35	0.868	1.113	0.467	0.513	161	143	165	146	3.29	1.14
50	0.641	0.822	0.449	0.495	192	168	197	172	4.70	1.14
70	0.443	0.568	0.422	0.468	240	206	246	211	6.58	1.14
95	0.320	0.411	0.403	0.449	291	246	298	252	8.93	1.14
120	0.253	0.325	0.390	0.436	335	280	343	285	11.28	1.14
150	0.206	0.265	0.380	0.426	380	313	388	319	14.10	1.14
185	0.164	0.211	0.369	0.415	436	354	445	360	17.39	1.14
240	0.125	0.161	0.358	0.404	512	409	522	416	22.56	1.14
300	0.100	0.129	0.345	0.392	584	460	595	467	28.20	1.14
400	0.0778	0.101	0.333	0.379	683	525	694	532	37.60	1.14
500	0.0605	0.080	0.326	0.372	786	594	796	599	47.00	1.14
630	0.0469	0.063	0.313	0.359	915	673	922	675	59.22	1.14

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

NA2XSKB(AL)Y 1 x (25-630) mm² 8.7/15 kV

AI / XLPE/ CTS / PVC / LS / PVC / DATA / PVC

(Aluminium Conductor, XLPE Insulated, Copper Tape Screen, Lead Sheathed, Double Aluminium Tape Armor, PVC Sheathed)
Standard Specification : IEC 60502-2

Construction Data

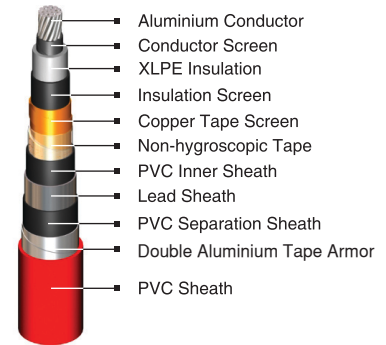
Nom. Cross Section Area	Overall Diameter	Cable Weight
	approx.	approx.
mm ²	mm	kg/km
25	30.0	1,958
35	31.5	2,100
50	32.5	2,247
70	35.0	2,554
95	36.5	2,785
120	38.5	3,172
150	40.0	3,375
185	42.5	3,819
240	44.5	4,152
300	47.0	4,685
400	51.5	5,519
500	54.5	6,325
630	60.0	7,523

Application :

For indoor, outdoor, 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

25 - 630 sqmm supplied in compacted circular stranded (cm) conductor shape

Standard Packing

25 - 185 sqmm supplied in wooden drum @ 1000 m

240 - 630 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. (mm ²)	DC Resistance at 20°C	AC Resistance at 90°C	Trefoil formation	Flat formation	⊗⊗⊗		⊙⊙⊙		Conductor	Screen
	Max. (Ω/km)	Max. (Ω/km)	(mH/km)	(mH/km)	in air	in ground	in air	in ground		
25	1.20	1.539	0.512	0.559	134	119	137	122	2.35	1.14
35	0.868	1.113	0.483	0.530	162	143	166	146	3.29	1.14
50	0.641	0.822	0.465	0.511	193	168	198	172	4.70	1.14
70	0.443	0.568	0.439	0.485	241	206	247	210	6.58	1.14
95	0.320	0.411	0.418	0.464	292	246	299	251	8.93	1.14
120	0.253	0.325	0.407	0.453	337	279	344	285	11.28	1.14
150	0.206	0.265	0.395	0.441	380	312	388	318	14.10	1.14
185	0.164	0.211	0.383	0.429	437	353	446	359	17.39	1.14
240	0.125	0.161	0.368	0.414	512	408	522	415	22.56	1.14
300	0.100	0.129	0.358	0.404	585	459	596	466	28.20	1.14
400	0.0778	0.101	0.345	0.391	683	524	693	530	37.60	1.14
500	0.0605	0.080	0.336	0.382	786	593	795	598	47.00	1.14
630	0.0469	0.063	0.323	0.369	914	672	920	673	59.22	1.14

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

NA2XSKB(AL)Y 1 x (35-630) mm² 12/20 kV

AI / XLPE/ CTS / PVC / LS / PVC / DATA / PVC

(Aluminium Conductor, XLPE Insulated, Copper Tape Screen, Lead Sheathed, Double Aluminium Tape Armor, PVC Sheathed)
Standard Specification : IEC 60502-2

Construction Data

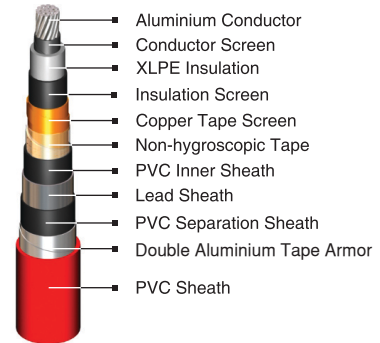
Nom. Cross Section Area	Overall Diameter	Cable Weight
	approx.	approx.
mm ²	mm	kg/km
35	33.5	2,425
50	35.0	2,545
70	37.0	2,889
95	39.5	3,204
120	41.0	3,439
150	42.5	3,789
185	44.5	4,018
240	47.0	4,580
300	49.5	5,136
400	54.0	5,871
500	57.0	6,671
630	62.5	7,895

Application :

For indoor, outdoor, 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

35 - 630 sqmm supplied in compacted circular stranded (cm) conductor shape

Standard Packing

35 - 150 sqmm supplied in wooden drum @ 1000 m

185 - 630 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. (mm ²)	DC Resistance at 20°C	AC Resistance at 90°C	Trefoil formation	Flat formation	⊗⊗⊗		⊙⊙⊙		Conductor	Screen
	Max. (Ω/km)	Max. (Ω/km)	(mH/km)	(mH/km)	in air	in ground	in air	in ground		
35	0.868	1.113	0.499	0.545	163	142	167	145	3.29	1.14
50	0.641	0.822	0.480	0.526	194	168	198	171	4.70	1.14
70	0.443	0.568	0.451	0.497	243	206	248	210	6.58	1.14
95	0.320	0.411	0.433	0.479	293	245	300	250	8.93	1.14
120	0.253	0.325	0.418	0.465	337	279	344	284	11.28	1.14
150	0.206	0.265	0.408	0.454	381	311	389	317	14.10	1.14
185	0.164	0.211	0.391	0.438	437	353	446	359	17.39	1.14
240	0.125	0.161	0.379	0.425	513	407	523	414	22.56	1.14
300	0.100	0.129	0.368	0.414	586	458	596	465	28.20	1.14
400	0.0778	0.101	0.354	0.400	682	523	692	529	37.60	1.14
500	0.0605	0.080	0.344	0.390	786	593	794	597	47.00	1.14
630	0.0469	0.063	0.330	0.377	913	671	918	672	59.22	1.14

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

NA2XSKB(AL)Y 1 x (50-630) mm² 18/30 kV

AI / XLPE/ CTS / PVC / LS / PVC / DATA / PVC

(Aluminium Conductor, XLPE Insulated, Copper Tape Screen, Lead Sheathed, Double Aluminium Tape Armor, PVC Sheathed)
Standard Specification : IEC 60502-2

Construction Data

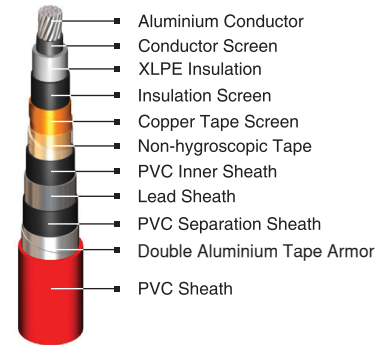
Nom. Cross Section Area	Overall Diameter	Cable Weight
	approx.	approx.
mm ²	mm	kg/km
50	41.5	3,480
70	43.5	3,749
95	45.0	3,964
120	47.0	4,352
150	48.5	4,600
185	51.0	5,134
240	53.5	5,600
300	56.0	6,206
400	60.0	7,095
500	63.0	7,958
630	69.0	9,343

Application :

For indoor, outdoor, 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

50 - 630 sqmm supplied in compacted circular stranded (cm) conductor shape

Standard Packing

50 - 95 sqmm supplied in wooden drum @ 1000 m

120 - 630 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. (mm ²)	DC Resistance at 20°C	AC Resistance at 90°C	Trefoil formation	Flat formation	⊗⊗⊗		⊙⊙⊙		Conductor	Screen
	Max. (Ω/km)	Max. (Ω/km)	(mH/km)	(mH/km)	in air	in ground	in air	in ground		
50	0.641	0.822	0.514	0.561	196	167	200	170	4.70	1.14
70	0.443	0.568	0.483	0.529	244	205	249	209	6.58	1.14
95	0.320	0.411	0.461	0.507	295	244	300	249	8.93	1.14
120	0.253	0.325	0.446	0.492	339	278	345	283	11.28	1.14
150	0.206	0.265	0.433	0.479	382	310	389	316	14.10	1.14
185	0.164	0.211	0.419	0.465	438	351	446	357	17.39	1.14
240	0.125	0.161	0.404	0.451	513	406	522	412	22.56	1.14
300	0.100	0.129	0.392	0.439	585	456	593	462	28.20	1.14
400	0.0778	0.101	0.376	0.422	681	521	690	526	37.60	1.14
500	0.0605	0.079	0.365	0.411	784	590	790	593	47.00	1.14
630	0.0469	0.063	0.350	0.396	909	669	912	668	59.22	1.14

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