NA2XSB(AL)Y 1 x (25-630) mm² 3.6/6 kV

Al / XLPE/ CTS / PVC / ATA / PVC

(Aluminium Conductor, XLPE Insulated, Copper Tape Screen, Aluminium Tape Armor, PVC Sheathed)

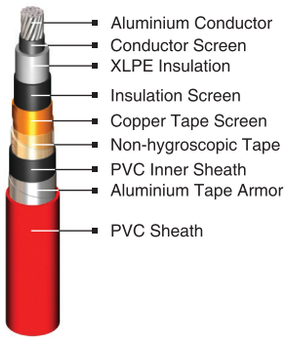
Standard Specification : IEC 60502-2

Construction Data

Nom. Cross Section Area	Overall Diameter	Cable Weight
	approx.	approx.
mm²	mm	kg/km
25	21.0	570
35	22.5	640
50	23.5	712
70	25.5	832
95	27.0	962
120	28.5	1,092
150	30.0	1,165
185	32.0	1,337
240	34.5	1,607
300	37.5	1,883
400	41.0	2,214
500	45.0	2,694
630	49.5	3,276

Application :
For installation indoor, in ground direct burried, for power station and switchgear, if there is a risk that 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 - 630 sqmm supplied in wooden drum @ 1000 m
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	Conductor	Screen
(mm²)	Max. (Ω/km)	Max. (Ω/km)	(mH/km)	(mH/km)	Max. (A)	Max. (A)	Max. (A)	Max. (A)	Max. (kA)	Max. (kA)
25	1.20	1.539	0.442	0.488	126	118	129	121	2.35	1.14
35	0.868	1.113	0.416	0.463	154	142	158	145	3.29	1.14
50	0.641	0.822	0.399	0.445	184	167	188	171	4.70	1.14
70	0.443	0.568	0.374	0.421	230	205	236	210	6.58	1.14
95	0.320	0.411	0.357	0.403	280	245	287	251	8.93	1.14
120	0.253	0.325	0.346	0.392	324	279	332	285	11.28	1.14
150	0.206	0.265	0.335	0.381	366	312	376	319	14.10	1.14
185	0.164	0.211	0.325	0.371	423	353	433	361	17.39	1.14
240	0.125	0.161	0.317	0.363	499	409	511	418	22.56	1.14
300	0.100	0.130	0.311	0.357	573	461	587	470	28.20	1.14
400	0.0778	0.102	0.300	0.346	674	528	689	539	37.60	1.14
500	0.0605	0.080	0.296	0.342	780	601	797	611	47.00	1.14
630	0.0469	0.064	0.285	0.331	916	685	934	696	59.22	1.14

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

27133-01 Rev. 2.0 / 2009

NA2XSB(AL)Y 1 x (25-630) mm² 6/10 kV

Al / XLPE/ CTS / PVC / ATA / PVC

(Aluminium Conductor, XLPE Insulated, Copper Tape Screen, Aluminium Tape Armor, PVC Sheathed)

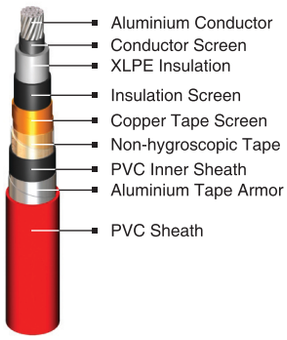
Standard Specification : IEC 60502-2

Construction Data

Nom. Cross Section Area	Overall Diameter	Cable Weight
	approx.	approx.
mm²	mm	kg/km
25	23.0	652
35	24.5	725
50	25.5	800
70	27.0	925
95	29.0	1,031
120	30.5	1,150
150	32.0	1,281
185	34.0	1,476
240	36.5	1,725
300	38.5	1,924
400	42.0	2,290
500	45.5	2,746
630	50.5	3,333

Application :
For installation indoor, in ground direct burried, for power station and switchgear, if there is a risk that 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 - 500 sqmm supplied in wooden drum @ 1000 m
630 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	
			Trefoil formation	Flat formation						
					in air	in ground	in air	in ground	Conductor	Screen
Nom. Cross Sect. (mm²)	DC Resistance at 20°C Max. (Ω/km)	AC Resistance at 90°C Max. (Ω/km)	(mH/km)	(mH/km)	Max. (A)	Max. (A)	Max. (A)	Max. (A)	Max. (kA)	Max. (kA)
25	1.20	1.539	0.459	0.505	128	118	131	121	2.35	1.14
35	0.868	1.113	0.432	0.479	156	142	159	145	3.29	1.14
50	0.641	0.822	0.414	0.461	186	167	190	171	4.70	1.14
70	0.443	0.568	0.389	0.435	232	205	238	210	6.58	1.14
95	0.320	0.411	0.371	0.417	282	245	289	250	8.93	1.14
120	0.253	0.325	0.358	0.404	325	278	334	285	11.28	1.14
150	0.206	0.265	0.348	0.395	369	311	378	318	14.10	1.14
185	0.164	0.211	0.338	0.385	425	353	436	361	17.39	1.14
240	0.125	0.161	0.327	0.373	501	408	513	417	22.56	1.14
300	0.100	0.130	0.317	0.364	574	460	587	470	28.20	1.14
400	0.0778	0.102	0.305	0.351	674	528	690	538	37.60	1.14
500	0.0605	0.080	0.299	0.345	780	600	797	611	47.00	1.14
630	0.0469	0.064	0.287	0.333	916	685	934	696	59.22	1.14

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

27133-02 Rev. 2.0 / 2009

NA2XSB(AL)Y 1 x (25-630) mm² 8.7/15 kV

Al / XLPE/ CTS / PVC / ATA / PVC

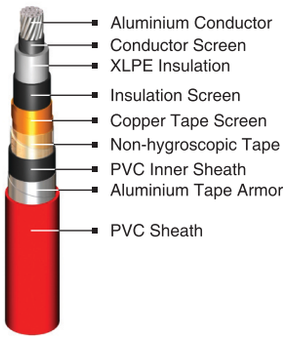
(Aluminium Conductor, XLPE Insulated, Copper Tape Screen, Aluminium Tape Armor, PVC Sheathed)
Standard Specification : IEC 60502-2

Construction Data

Nom. Cross Section Area	Overall Diameter	Cable Weight
	approx.	approx.
mm²	mm	kg/km
25	25.5	759
35	26.5	836
50	27.5	914
70	29.5	1,016
95	31.0	1,153
120	33.0	1,321
150	34.5	1,444
185	36.5	1,631
240	38.5	1,832
300	41.0	2,074
400	45.0	2,493
500	47.5	2,919
630	52.5	3,522

Application :
For installation indoor, in ground direct burried, for power station and switchgear, if there is a risk that 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 - 500 sqmm supplied in wooden drum @ 1000 m
630 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	Conductor	Screen
(mm²)	Max. (Ω/km)	Max. (Ω/km)	(mH/km)	(mH/km)	Max. (A)	Max. (A)	Max. (A)	Max. (A)	Max. (kA)	Max. (kA)
25	1.20	1.539	0.478	0.524	130	118	133	121	2.35	1.14
35	0.868	1.113	0.450	0.497	157	142	161	145	3.29	1.14
50	0.641	0.822	0.432	0.478	188	167	192	171	4.70	1.14
70	0.443	0.568	0.405	0.451	234	205	240	209	6.58	1.14
95	0.320	0.411	0.386	0.432	284	245	291	250	8.93	1.14
120	0.253	0.325	0.376	0.422	328	278	336	284	11.28	1.14
150	0.206	0.265	0.365	0.411	371	311	380	318	14.10	1.14
185	0.164	0.211	0.352	0.399	428	352	438	360	17.39	1.14
240	0.125	0.161	0.339	0.386	503	408	515	417	22.56	1.14
300	0.100	0.130	0.329	0.375	576	460	590	470	28.20	1.14
400	0.0778	0.102	0.317	0.364	676	528	691	538	37.60	1.14
500	0.0605	0.080	0.309	0.355	782	600	799	611	47.00	1.14
630	0.0469	0.063	0.296	0.342	918	686	936	696	59.22	1.14

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

27133-03 Rev. 2.0 / 2009

NA2XSB(AL)Y 1 x (35-630) mm² 12/20 kV

Al / XLPE/ CTS / PVC / ATA / PVC

(Aluminium Conductor, XLPE Insulated, Copper Tape Screen, Aluminium Tape Armor, PVC Sheathed)

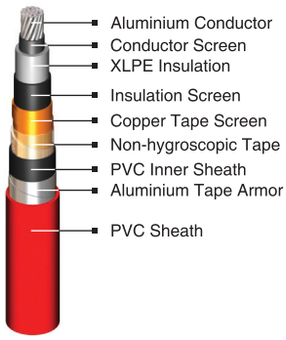
Standard Specification : IEC 60502-2

Construction Data

Nom. Cross Section Area	Overall Diameter	Cable Weight
	approx.	approx.
mm²	mm	kg/km
35	29.0	956
50	29.5	995
70	31.5	1,142
95	34.0	1,316
120	35.5	1,461
150	36.5	1,588
185	38.5	1,725
240	41.0	1,969
300	43.0	2,236
400	47.0	2,670
500	50.0	3,105
630	55.0	3,725

Application :
For installation indoor, in ground direct burried, for power station and switchgear, if there is a risk that 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 - 400 sqmm supplied in wooden drum @ 1000 m
500 - 630 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	
					in air	in ground	in air	in ground	Conductor	Screen
Nom. Cross Sect. (mm²)	DC Resistance at 20°C Max. (Ω/km)	AC Resistance at 90°C Max. (Ω/km)	Trefoil formation (mH/km)	Flat formation (mH/km)	Max. (A)	Max. (A)	Max. (A)	Max. (A)	Max. (kA)	Max. (kA)
35	0.868	1.113	0.467	0.513	159	141	162	144	3.29	1.14
50	0.641	0.822	0.447	0.493	189	167	193	170	4.70	1.14
70	0.443	0.568	0.420	0.466	236	204	242	209	6.58	1.14
95	0.320	0.411	0.403	0.449	286	244	293	249	8.93	1.14
120	0.253	0.325	0.389	0.435	330	277	337	283	11.28	1.14
150	0.206	0.265	0.377	0.424	373	311	382	317	14.10	1.14
185	0.164	0.211	0.364	0.410	429	352	439	359	17.39	1.14
240	0.125	0.161	0.350	0.396	505	408	517	416	22.56	1.14
300	0.100	0.129	0.340	0.386	578	460	591	469	28.20	1.14
400	0.0778	0.101	0.327	0.373	677	527	692	537	37.60	1.14
500	0.0605	0.080	0.318	0.364	784	600	799	610	47.00	1.14
630	0.0469	0.063	0.304	0.351	919	686	936	696	59.22	1.14

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

27133-04 Rev. 2.0 / 2009

NA2XSB(AL)Y 1 x (50-630) mm² 18/30 kV

Al / XLPE/ CTS / PVC / ATA / PVC

(Aluminium Conductor, XLPE Insulated, Copper Tape Screen, Aluminium Tape Armor, PVC Sheathed)

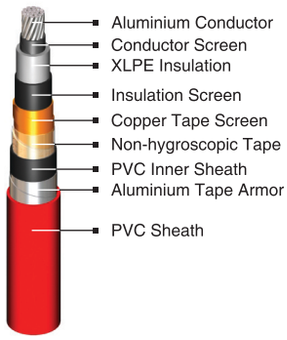
Standard Specification : IEC 60502-2

Construction Data

Nom. Cross Section Area	Overall Diameter	Cable Weight
	approx.	approx.
mm²	mm	kg/km
50	35.5	1,352
70	37.5	1,501
95	39.0	1,618
120	40.5	1,755
150	42.0	1,909
185	44.5	2,138
240	46.5	2,422
300	49.0	2,710
400	52.5	3,133
500	55.5	3,592
630	61.0	4,308

Application :
For installation indoor, in ground direct burried, for power station and switchgear, if there is a risk that 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 - 300 sqmm supplied in wooden drum @ 1000 m
400 - 630 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	Conductor	Screen
(mm²)	Max. (Ω/km)	Max. (Ω/km)	(mH/km)	(mH/km)	Max. (A)	Max. (A)	Max. (A)	Max. (A)	Max. (kA)	Max. (kA)
50	0.641	0.822	0.483	0.530	192	166	196	169	4.70	1.14
70	0.443	0.568	0.453	0.500	239	204	244	208	6.58	1.14
95	0.320	0.411	0.432	0.479	289	243	295	248	8.93	1.14
120	0.253	0.325	0.417	0.463	333	277	340	283	11.28	1.14
150	0.206	0.265	0.405	0.451	376	310	384	316	14.10	1.14
185	0.164	0.211	0.391	0.438	432	351	441	358	17.39	1.14
240	0.125	0.161	0.377	0.423	508	407	518	415	22.56	1.14
300	0.100	0.129	0.366	0.412	580	459	592	467	28.20	1.14
400	0.0778	0.101	0.350	0.396	679	527	693	536	37.60	1.14
500	0.0605	0.080	0.339	0.385	785	600	800	609	47.00	1.14
630	0.0469	0.063	0.325	0.371	919	685	934	695	59.22	1.14

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

27133-05 Rev. 2.0 / 2009