NA2XY 1 x (10-800) mm² 0.6/1 kV

Al / XLPE / PVC

(Aluminium Conductor, XLPE Insulated, PVC Sheathed)

Standard Specification : SNI IEC 60502-1 : 2009

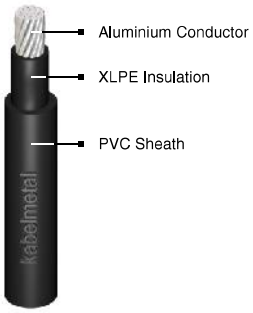
Construction Data

Nom. Cross Section Area	Overall Diameter	Cable Weight
	approx.	approx.
mm²	mm	kg/km
10	8.5	84
16	9.7	113
25	11.3	156
35	12.5	196
50	14.1	257
70	16.2	335
95	18.1	425
120	19.6	500
150	22.5	639
185	25.0	783
240	28.0	1,008
300	30.5	1,208
400	36.0	1,696
500	39.0	1,982
630	43.5	2,473
800	48.0	3,037

Application :
Power cable : Indoors, cable trunking, outdoors and burried in the ground, for power stations, industry and switchgear as well as for urban supply networks, if mechanical damage is unlikely.

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 - 800 sqmm supplied in non compacted circular stranded (rm) or compacted circular stranded (cm) conductor shape

Standard Packing
10 - 800 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	
(mm²)	Max. (Ω/km)	Max. (Ω/km)	(mH/km)	(mH/km)	Max. (A)	Max. (A)	Max. (A)	Max. (A)	Max. (kA)
10	3.08	3.949	0.336	0.382	60	71	62	70	0.94
16	1.91	2.449	0.311	0.357	81	92	84	91	1.50
25	1.20	1.539	0.302	0.348	109	118	112	117	2.35
35	0.868	1.113	0.289	0.335	134	142	138	140	3.29
50	0.641	0.822	0.279	0.325	165	168	170	166	4.70
70	0.443	0.568	0.269	0.316	211	206	218	203	6.58
95	0.320	0.411	0.263	0.309	260	245	269	242	8.93
120	0.253	0.325	0.260	0.306	303	279	312	275	11.28
150	0.206	0.265	0.258	0.304	353	313	364	309	14.10
185	0.164	0.212	0.258	0.304	411	355	424	350	17.39
240	0.125	0.162	0.253	0.299	494	412	510	406	22.56
300	0.100	0.130	0.249	0.295	571	465	590	458	28.20
400	0.0778	0.103	0.245	0.292	688	536	711	528	37.60
500	0.0605	0.081	0.245	0.291	796	609	823	599	47.00
630	0.0469	0.065	0.243	0.289	932	692	963	680	59.22
800	0.0367	0.053	0.241	0.287	1074	778	1111	764	75.20

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

NA2XY 2 x (10-300) mm² 0.6/1 kV

Al / XLPE / PVC

(Aluminium Conductor, XLPE Insulated, PVC Sheathed)

Standard Specification : SNI IEC 60502-1 : 2009

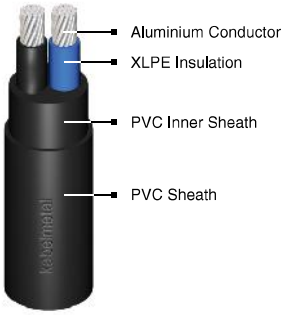
Construction Data

Nom. Cross Section Area	Overall Diameter	Cable Weight
	approx.	approx.
mm²	mm	kg/km
10	17.2	347
16	19.7	460
25	22.0	587
35	24.5	734
50	27.5	836
70	31.5	1,092
95	35.5	1,433
120	39.0	1,734
150	42.5	2,040
185	48.5	2,595
240	53.5	3,211
300	59.0	3,943

Application :
Power cable : Indoors, cable trunking, outdoors and burried in the ground, for power stations, industry and switchgear as well as for urban supply networks, if mechanical damage is unlikely.

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 - 185 sqmm supplied in wooden drum @ 1000 m
240 - 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	
	Max.	Max.		Max.	Max.	Max.
(mm²)	(Ω/km)	(Ω/km)	(mH/km)	(A)	(A)	(kA)
10	3.08	3.949	0.248	67	75	0.94
16	1.91	2.449	0.236	91	100	1.50
25	1.20	1.539	0.242	119	128	2.35
35	0.868	1.113	0.234	147	154	3.29
50	0.641	0.822	0.232	179	183	4.70
70	0.443	0.568	0.229	227	226	6.58
95	0.320	0.411	0.224	277	270	8.93
120	0.253	0.325	0.223	322	308	11.28
150	0.206	0.265	0.225	364	344	14.10
185	0.164	0.211	0.225	425	391	17.39
240	0.125	0.162	0.223	501	454	22.56
300	0.100	0.130	0.222	574	511	28.20

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

25701-02 Rev. 0.0 / 2014

NA2XY 3 x (10-300) mm² 0.6/1 kV

Al / XLPE / PVC

(Aluminium Conductor, XLPE Insulated, PVC Sheathed)

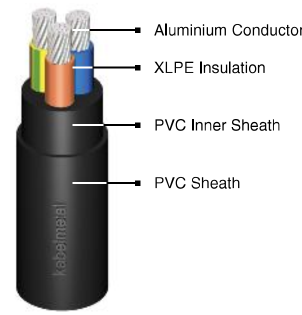
Standard Specification : SNI IEC 60502-1 : 2009

Construction Data

Nom. Cross Section Area	Overall Diameter	Cable Weight
	approx.	approx.
mm²	mm	kg/km
10	18.0	382
16	21.0	510
25	23.5	660
35	26.0	830
50	28.0	828
70	32.5	1,126
95	36.0	1,422
120	39.0	1,716
150	44.0	2,113
185	48.5	2,577
240	54.5	3,279
300	59.0	3,963

Application :
Power cable : Indoors, cable trunking, outdoors and burried in the ground, for power stations, industry and switchgear as well as for urban supply networks, if mechanical damage is unlikely.

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 - 185 sqmm supplied in wooden drum @ 1000 m
240 - 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	
	Max.	Max.		Max.	Max.	Max.
(mm²)	(Ω/km)	(Ω/km)	(mH/km)	(A)	(A)	(kA)
10	3.08	3.949	0.248	57	63	0.94
16	1.91	2.449	0.236	77	84	1.50
25	1.20	1.539	0.242	101	107	2.35
35	0.868	1.113	0.234	125	129	3.29
50	0.641	0.822	0.232	155	157	4.70
70	0.443	0.568	0.229	195	193	6.58
95	0.320	0.411	0.224	240	231	8.93
120	0.253	0.325	0.223	279	263	11.28
150	0.206	0.265	0.225	319	294	14.10
185	0.164	0.211	0.225	370	335	17.39
240	0.125	0.162	0.223	439	388	22.56
300	0.100	0.130	0.222	506	439	28.20

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

25701-03 Rev. 0.0 / 2014

NA2XY 4 x (10-300) mm² 0.6/1 kV

Al / XLPE / PVC

(Aluminium Conductor, XLPE Insulated, PVC Sheathed)

Standard Specification : SNI IEC 60502-1 : 2009

Construction Data

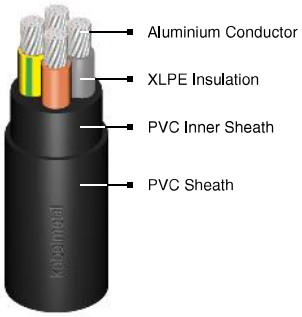
Nom. Cross Section Area	Overall Diameter	Cable Weight
	approx.	approx.
mm²	mm	kg/km
10	19.5	446
16	23.0	601
25	25.5	787
35	28.5	994
50	32.5	1,058
70	36.5	1,431
95	40.5	1,820
120	45.5	2,275
150	51.5	2,749
185	56.0	3,336
240	62.5	4,243
300	68.0	5,131

Application :

Power cable : Indoors, cable trunking, outdoors and burried in the ground, for power stations, industry and switchgear as well as for urban supply networks, if mechanical damage is unlikely.

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 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	
	Max.	Max.		Max.	Max.	Max.
(mm²)	(Ω/km)	(Ω/km)	(mH/km)	(A)	(A)	(kA)
10	3.08	3.949	0.248	63	69	0.94
16	1.91	2.449	0.236	85	90	1.50
25	1.20	1.539	0.242	112	116	2.35
35	0.868	1.113	0.234	139	140	3.29
50	0.641	0.822	0.232	164	162	4.70
70	0.443	0.568	0.229	206	197	6.58
95	0.320	0.411	0.224	253	237	8.93
120	0.253	0.325	0.223	295	269	11.28
150	0.206	0.265	0.225	343	305	14.10
185	0.164	0.211	0.225	393	344	17.39
240	0.125	0.162	0.223	466	399	22.56
300	0.100	0.130	0.222	537	451	28.20

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

25701-04 Rev. 0.0 / 2014

NA2XY 5 x (10-50) mm² 0.6/1 kV

Al / XLPE / PVC

(Aluminium Conductor, XLPE Insulated, PVC Sheathed)

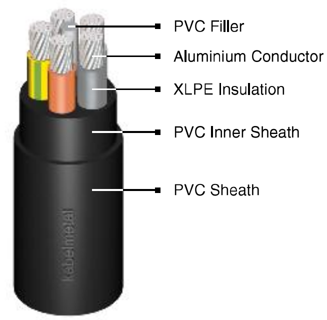
Standard Specification : SNI IEC 60502-1 : 2009

Construction Data

Nom. Cross Section Area	Overall Diameter	Cable Weight
	approx.	approx.
mm²	mm	kg/km
10	21.5	521
16	24.5	709
25	27.5	935
35	31.0	1,187
50	36.0	1,479

Application :
Power cable : Indoors, cable trunking, outdoors and burried in the ground, for power stations, industry and switchgear as well as for urban supply networks, if mechanical damage is unlikely.

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

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.	Max.		Max.	Max.	Max.
(mm²)	(Ω/km)	(Ω/km)	(mH/km)	(A)	(A)	(kA)
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	143	3.29
50	0.641	0.822	0.232	176	168	4.70

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

25701-05 Rev. 0.0 / 2014