

NA2XSEBY 3 x (25-300) mm² 3.6/6 kV AI / XLPE / CTS / PVC / STA / PVC

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

Construction Data

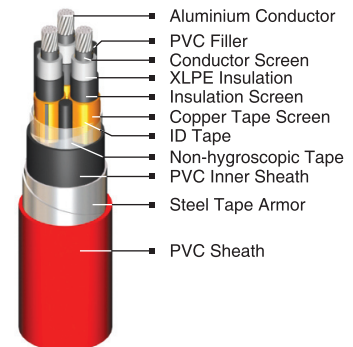
Nom. Cross Section Area	Overall Diameter	Cable Weight
	approx.	approx.
mm ²	mm	kg/km
25	38.0	1,888
35	41.0	2,166
50	43.5	2,471
70	48.0	2,959
95	52.0	3,465
120	55.5	3,982
150	59.0	4,440
185	63.0	5,084
240	68.5	6,050
300	75.0	7,172

Application :

For installation indoor, in ground direct buried, 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 - 300 sqmm supplied in compacted circular stranded (cm) conductor shape

Standard Packing

25 - 70 sqmm supplied in wooden drum @ 1000 m

95 - 300 sqmm will be supplied in wooden drum on available length

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	
	DC Resistance at 20°C	AC Resistance at 90°C		in air	in ground	Conductor	Screen
	Max. (Ω/km)	Max. (Ω/km)		Max. (A)	Max. (A)	Max. (kA)	Max. (kA)
25	1.20	1.539	0.346	117	113	2.35	1.03
35	0.868	1.113	0.326	142	136	3.29	1.03
50	0.641	0.822	0.314	170	159	4.70	1.03
70	0.443	0.568	0.296	212	195	6.58	1.03
95	0.320	0.411	0.284	257	233	8.93	1.03
120	0.253	0.325	0.276	295	264	11.28	1.03
150	0.206	0.265	0.269	334	295	14.10	1.03
185	0.164	0.212	0.262	384	334	17.39	1.03
240	0.125	0.162	0.256	450	386	22.56	1.37
300	0.100	0.130	0.253	512	433	28.20	1.37

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

NA2XSEBY 3 x (25-300) mm² 6/10 kV

AI / XLPE / CTS / PVC / STA / PVC

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

Standard Specification : IEC 60502-2

Construction Data

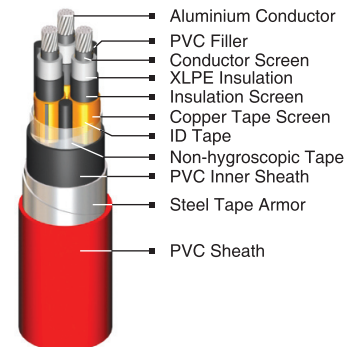
Nom. Cross Section Area	Overall Diameter	Cable Weight
	approx.	approx.
mm ²	mm	kg/km
25	42.5	2,226
35	45.5	2,568
50	48.0	2,860
70	52.5	3,361
95	56.5	3,947
120	60.0	4,425
150	63.0	4,911
185	67.5	5,573
240	73.0	6,587
300	77.5	7,528

Application :

For installation indoor, in ground direct buried, 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 - 300 sqmm supplied in compacted circular stranded (cm) conductor shape

Standard Packing

25 - 50 sqmm supplied in wooden drum @ 1000 m

70 - 300 sqmm will be supplied in wooden drum on available length

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	
	DC Resistance at 20°C	AC Resistance at 90°C		in air	in ground	Conductor	Screen
	Max. (Ω/km)	Max. (Ω/km)		Max. (A)	Max. (A)	Max. (kA)	Max. (kA)
25	1.20	1.539	0.372	119	113	2.35	1.03
35	0.868	1.113	0.350	144	135	3.29	1.03
50	0.641	0.822	0.336	172	159	4.70	1.03
70	0.443	0.568	0.316	214	195	6.58	1.03
95	0.320	0.411	0.303	259	232	8.93	1.03
120	0.253	0.325	0.293	298	264	11.28	1.03
150	0.206	0.265	0.285	336	295	14.10	1.03
185	0.164	0.211	0.277	386	334	17.39	1.37
240	0.125	0.162	0.268	451	385	22.56	1.37
300	0.100	0.130	0.261	514	433	28.20	1.37

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

NA2XSEBY 3 x (25-300) mm² 8.7/15 kV

AI / XLPE / CTS / PVC / STA / PVC

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

Standard Specification : IEC 60502-2

Construction Data

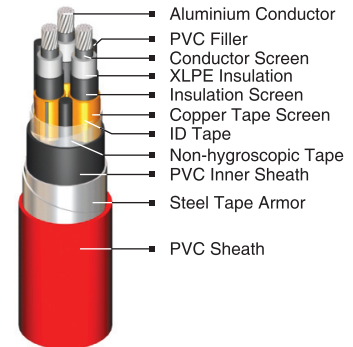
Nom. Cross Section Area	Overall Diameter	Cable Weight
	approx.	approx.
mm ²	mm	kg/km
25	48.0	2,734
35	51.0	3,056
50	53.5	3,374
70	58.0	3,966
95	62.0	4,522
120	65.0	5,035
150	68.5	5,537
185	73.0	6,313
240	78.0	7,303
300	84.0	9,066

Application :

For installation indoor, in ground direct buried, 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 - 300 sqmm supplied in compacted circular stranded (cm) conductor shape

Standard Packing

25 sqmm supplied in wooden drum @ 1000 m

35 - 300 sqmm will be supplied in wooden drum on available length

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	
	DC Resistance at 20°C	AC Resistance at 90°C		in air	in ground	Conductor	Screen
	Max. (Ω/km)	Max. (Ω/km)		Max. (A)	Max. (A)	Max. (kA)	Max. (kA)
25	1.20	1.539	0.400	121	113	2.35	1.03
35	0.868	1.113	0.376	146	135	3.29	1.03
50	0.641	0.822	0.361	174	159	4.70	1.03
70	0.443	0.568	0.338	216	194	6.58	1.03
95	0.320	0.411	0.323	261	232	8.93	1.03
120	0.253	0.325	0.312	300	264	11.28	1.03
150	0.206	0.265	0.304	338	294	14.10	1.37
185	0.164	0.211	0.294	387	333	17.39	1.37
240	0.125	0.162	0.284	452	384	22.56	1.37
300	0.100	0.130	0.276	515	431	28.20	1.37

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

NA2XSEBY 3 x (35-300) mm² 12/20 kV

AI / XLPE / CTS / PVC / STA / PVC

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

Standard Specification : IEC 60502-2

Construction Data

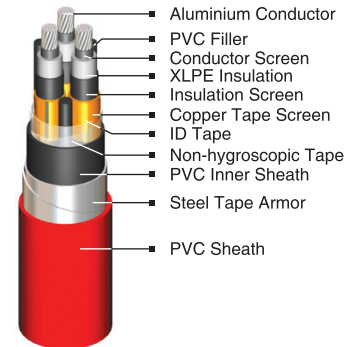
Nom. Cross Section Area	Overall Diameter	Cable Weight
	approx.	approx.
mm ²	mm	kg/km
35	56.0	3,578
50	58.5	3,908
70	63.0	4,475
95	66.5	5,065
120	70.0	5,602
150	73.5	6,197
185	77.5	6,924
240	84.0	8,745
300	89.0	9,842

Application :

For installation indoor, in ground direct buried, 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 - 300 sqmm supplied in compacted circular stranded (cm) conductor shape

Standard Packing

35 - 300 sqmm will be supplied in wooden drum on available length
Length Tolerance per drum $\pm 2\%$

Electrical Data

Nom. Cross Sect. (mm ²)	Conductor		Inductance (mH/km)	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	Conductor	Screen
	Max. (Ω /km)	Max. (Ω /km)		Max. (A)	Max. (A)	Max. (kA)	Max. (kA)
35	0.868	1.113	0.397	147	135	3.29	1.03
50	0.641	0.822	0.380	175	159	4.70	1.03
70	0.443	0.568	0.357	218	194	6.58	1.03
95	0.320	0.411	0.340	263	232	8.93	1.37
120	0.253	0.325	0.328	302	263	11.28	1.37
150	0.206	0.265	0.319	339	294	14.10	1.37
185	0.164	0.211	0.308	389	333	17.39	1.37
240	0.125	0.162	0.297	454	383	22.56	1.37
300	0.100	0.130	0.289	516	430	28.20	1.37

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

NA2XSEBY 3 x (50-300) mm² 18/30 kV

AI / XLPE / CTS / PVC / STA / PVC

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

Standard Specification : IEC 60502-2

Construction Data

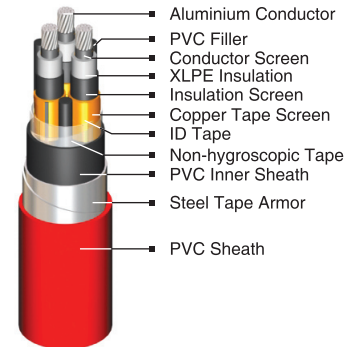
Nom. Cross Section Area	Overall Diameter	Cable Weight
	approx.	approx.
mm ²	mm	kg/km
50	70.5	5,306
70	75.0	6,023
95	79.0	6,684
120	83.5	8,076
150	87.0	8,688
185	91.0	9,573
240	96.0	10,698
300	101.5	11,985

Application :

For installation indoor, in ground direct buried, 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 - 300 sqmm supplied in compacted circular stranded (cm) conductor shape

Standard Packing

50 - 300 sqmm will be supplied in wooden drum on available length
Length Tolerance per drum $\pm 2\%$

Electrical Data

Nom. Cross Sect. (mm ²)	Conductor		Inductance (mH/km)	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	Conductor	Screen
	Max. (Ω /km)	Max. (Ω /km)		Max. (A)	Max. (A)	Max. (kA)	Max. (kA)
50	0.641	0.822	0.423	177	158	4.70	1.37
70	0.443	0.568	0.396	219	193	6.58	1.37
95	0.320	0.411	0.377	265	231	8.93	1.37
120	0.253	0.325	0.364	304	262	11.28	1.37
150	0.206	0.265	0.353	342	293	14.10	1.37
185	0.164	0.211	0.340	391	331	17.39	1.37
240	0.125	0.161	0.327	456	382	22.56	1.37
300	0.100	0.130	0.317	515	428	28.20	1.37

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