

NA2XSEY 3 x (25-300) mm² 3.6/6 kV

AI / XLPE / CTS / PVC

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

Standard Specification : IEC 60502-2

Construction Data

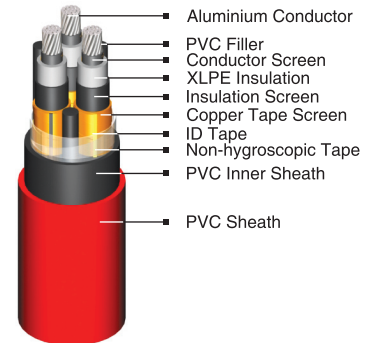
Nom. Cross Section Area	Overall Diameter	Cable Weight
	approx.	approx.
mm ²	mm	kg/km
25	36.5	1,346
35	39.5	1,580
50	42.0	1,862
70	46.5	2,264
95	50.0	2,712
120	54.0	3,172
150	57.0	3,582
185	61.5	4,161
240	67.0	5,043
300	73.0	6,071

Application :

Indoors, cable trunking, outdoors and in ground;
For power stations, industry and switchgear.

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

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	115	112	2.35	1.03
35	0.868	1.113	0.326	140	134	3.29	1.03
50	0.641	0.822	0.314	166	158	4.70	1.03
70	0.443	0.568	0.296	208	193	6.58	1.03
95	0.320	0.411	0.284	253	231	8.93	1.03
120	0.253	0.325	0.276	291	262	11.28	1.03
150	0.206	0.265	0.269	329	293	14.10	1.03
185	0.164	0.212	0.262	379	333	17.39	1.03
240	0.125	0.162	0.256	446	385	22.56	1.37
300	0.100	0.130	0.253	508	433	28.20	1.37

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

NA2XSEY 3 x (25-300) mm² 6/10 kV

AI / XLPE / CTS / PVC

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

Standard Specification : IEC 60502-2

Construction Data

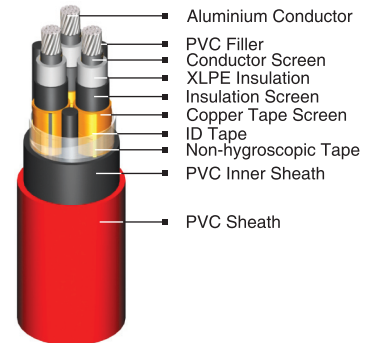
Nom. Cross Section Area	Overall Diameter	Cable Weight
	approx.	approx.
mm ²	mm	kg/km
25	40.5	1,619
35	44.0	1,910
50	46.5	2,166
70	50.5	2,601
95	55.0	3,147
120	58.5	3,576
150	61.5	4,015
185	66.0	4,614
240	71.0	5,515
300	76.0	6,417

Application :

Indoors, cable trunking, outdoors and in ground;
For power stations, industry and switchgear.

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

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	117	112	2.35	1.03
35	0.868	1.113	0.350	142	134	3.29	1.03
50	0.641	0.822	0.336	169	158	4.70	1.03
70	0.443	0.568	0.316	211	194	6.58	1.03
95	0.320	0.411	0.303	255	230	8.93	1.03
120	0.253	0.325	0.293	294	262	11.28	1.03
150	0.206	0.265	0.285	332	293	14.10	1.03
185	0.164	0.211	0.277	381	332	17.39	1.37
240	0.125	0.162	0.268	447	384	22.56	1.37
300	0.100	0.130	0.261	510	433	28.20	1.37

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

NA2XSEY 3 x (25-300) mm² 8.7/15 kV

AI / XLPE / CTS / PVC

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

Standard Specification : IEC 60502-2

Construction Data

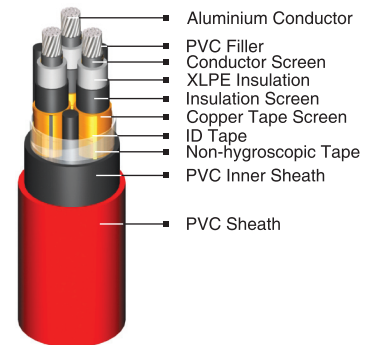
Nom. Cross Section Area	Overall Diameter	Cable Weight
	approx.	approx.
mm ²	mm	kg/km
25	46.5	2,040
35	49.5	2,318
50	52.0	2,599
70	56.5	3,119
95	60.0	3,617
120	63.5	4,079
150	66.5	4,533
185	71.5	5,237
240	76.5	6,150
300	81.5	7,081

Application :

Indoors, cable trunking, outdoors and in ground;
For power stations, industry and switchgear.

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

25 - 300 sqmm supplied in compacted circular stranded (cm) conductor shape

Standard Packing

25 - 35 sqmm supplied in wooden drum @ 1000 m

50 - 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	119	112	2.35	1.03
35	0.868	1.113	0.376	144	134	3.29	1.03
50	0.641	0.822	0.361	171	158	4.70	1.03
70	0.443	0.568	0.338	213	193	6.58	1.03
95	0.320	0.411	0.323	258	231	8.93	1.03
120	0.253	0.325	0.312	297	262	11.28	1.03
150	0.206	0.265	0.304	335	293	14.10	1.37
185	0.164	0.211	0.294	383	332	17.39	1.37
240	0.125	0.162	0.284	449	384	22.56	1.37
300	0.100	0.130	0.276	512	432	28.20	1.37

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

NA2XSEY 3 x (35-300) mm² 12/20 kV

AI / XLPE / CTS / PVC

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

Standard Specification : IEC 60502-2

Construction Data

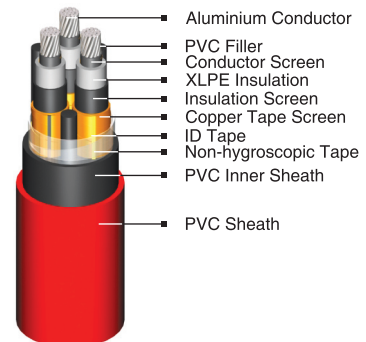
Nom. Cross Section Area	Overall Diameter	Cable Weight
	approx.	approx.
mm ²	mm	kg/km
35	54.5	2,760
50	57.0	3,054
70	61.0	3,555
95	65.0	4,117
120	68.5	4,604
150	72.0	5,146
185	76.5	5,810
240	81.5	6,761
300	86.0	7,701

Application :

Indoors, cable trunking, outdoors and in ground;
For power stations, industry and switchgear.

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

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	145	134	3.29	1.03
50	0.641	0.822	0.380	173	158	4.70	1.03
70	0.443	0.568	0.357	215	193	6.58	1.03
95	0.320	0.411	0.340	260	230	8.93	1.37
120	0.253	0.325	0.328	298	262	11.28	1.37
150	0.206	0.265	0.319	336	292	14.10	1.37
185	0.164	0.211	0.308	385	332	17.39	1.37
240	0.125	0.162	0.297	451	384	22.56	1.37
300	0.100	0.130	0.289	514	432	28.20	1.37

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

NA2XSEY 3 x (50-300) mm² 18/30 kV

AI / XLPE / CTS / PVC

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

Standard Specification : IEC 60502-2

Construction Data

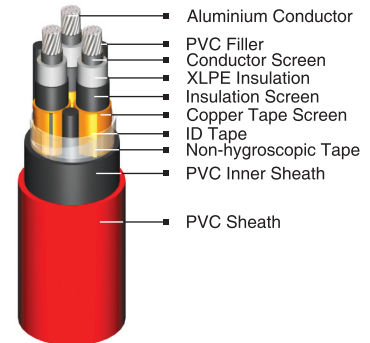
Nom. Cross Section Area	Overall Diameter	Cable Weight
	approx.	approx.
mm ²	mm	kg/km
50	69.0	4,269
70	73.5	4,914
95	77.5	5,517
120	81.0	6,103
150	84.0	6,639
185	88.5	7,377
240	93.0	8,378
300	98.5	9,533

Application :

Indoors, cable trunking, outdoors and in ground;
For power stations, industry and switchgear.

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

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	175	157	4.70	1.37
70	0.443	0.568	0.396	217	192	6.58	1.37
95	0.320	0.411	0.377	263	230	8.93	1.37
120	0.253	0.325	0.364	301	261	11.28	1.37
150	0.206	0.265	0.353	339	292	14.10	1.37
185	0.164	0.211	0.340	388	331	17.39	1.37
240	0.125	0.161	0.327	454	384	22.56	1.37
300	0.100	0.130	0.317	515	431	28.20	1.37

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