

# NA2XSEFGbY 3 x (25-300) mm<sup>2</sup> 3.6/6 kV

AI / XLPE / CTS / PVC / SFWA / PVC

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

Standard Specification : IEC 60502-2

## Construction Data

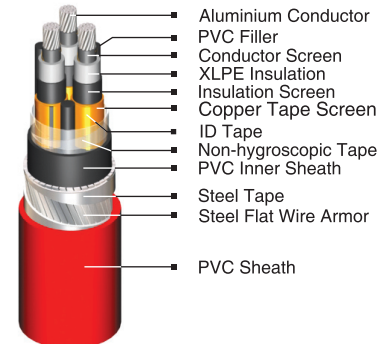
Nom. Cross Section Area	Overall Diameter	Cable Weight
	approx.	approx.
mm <sup>2</sup>	mm	kg/km
25	38.5	2,080
35	41.0	2,378
50	44.0	2,724
70	48.5	3,222
95	52.0	3,738
120	56.0	4,266
150	59.0	4,741
185	63.0	5,439
240	69.0	6,450
300	75.0	7,611

### Application :

For installation in the ground, indoors, cable trunking and outdoors if increased mechanical protection is required or where high-pulling stresses may occur during installation or operation.

### 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.	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	143	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	383	334	17.39	1.03
240	0.125	0.162	0.256	450	385	22.56	1.37
300	0.100	0.130	0.253	511	432	28.20	1.37

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

# NA2XSEFGbY 3 x (25-300) mm<sup>2</sup> 6/10 kV

## AI / XLPE / CTS / PVC / SFWA / PVC

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

Standard Specification : IEC 60502-2

### Construction Data

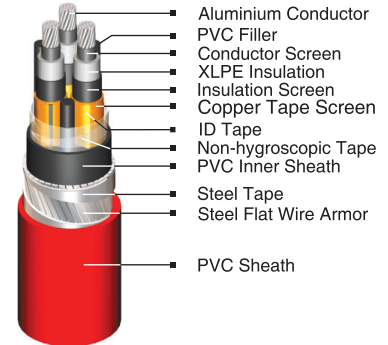
Nom. Cross Section Area	Overall Diameter	Cable Weight
	approx.	approx.
mm <sup>2</sup>	mm	kg/km
25	42.5	2,448
35	46.0	2,806
50	48.5	3,124
70	52.5	3,629
95	57.0	4,246
120	60.0	4,761
150	63.0	5,265
185	67.5	5,960
240	73.0	6,994
300	78.0	7,997

#### Application :

For installation in the ground, indoors, cable trunking and outdoors if increased mechanical protection is required or where high-pulling stresses may occur during installation or operation.

#### 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 <sup>2</sup> )	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	450	384	22.56	1.37
300	0.100	0.130	0.261	512	431	28.20	1.37

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

# NA2XSEFGbY 3 x (25-300) mm<sup>2</sup> 8.7/15 kV

AI / XLPE / CTS / PVC / SFWA / PVC

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

Standard Specification : IEC 60502-2

## Construction Data

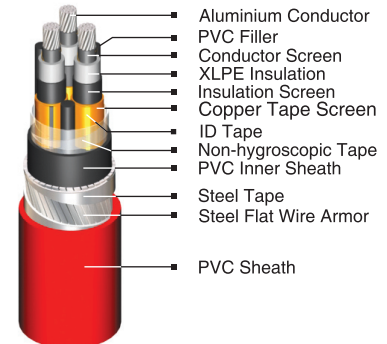
Nom. Cross Section Area	Overall Diameter	Cable Weight
	approx.	approx.
mm <sup>2</sup>	mm	kg/km
25	48.5	2,998
35	51.0	3,314
50	53.5	3,658
70	58.5	4,276
95	62.0	4,863
120	65.5	5,419
150	68.5	5,914
185	73.0	6,743
240	78.5	7,758
300	83.0	8,752

### Application :

For installation in the ground, indoors, cable trunking and outdoors if increased mechanical protection is required or where high-pulling stresses may occur during installation or operation.

### 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 <sup>2</sup> )	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	263	11.28	1.03
150	0.206	0.265	0.304	338	294	14.10	1.37
185	0.164	0.211	0.294	386	332	17.39	1.37
240	0.125	0.162	0.284	452	383	22.56	1.37
300	0.100	0.130	0.276	514	431	28.20	1.37

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

# NA2XSEFGbY 3 x (35-300) mm<sup>2</sup> 12/20 kV

AI / XLPE / CTS / PVC / SFWA / PVC

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

Standard Specification : IEC 60502-2

## Construction Data

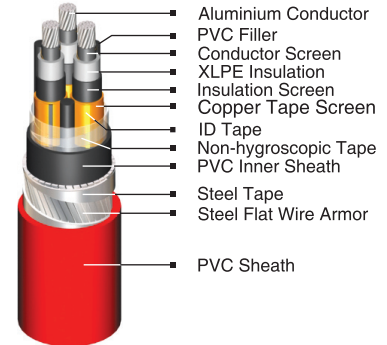
Nom. Cross Section Area	Overall Diameter	Cable Weight
	approx.	approx.
mm <sup>2</sup>	mm	kg/km
35	56.5	3,882
50	59.0	4,212
70	63.0	4,832
95	67.0	5,434
120	70.0	6,013
150	73.5	6,622
185	78.0	7,417
240	83.0	8,431
300	88.0	9,509

### Application :

For installation in the ground, indoors, cable trunking and outdoors if increased mechanical protection is required or where high-pulling stresses may occur during installation or operation.

### 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 ± 2%

## Electrical Data

Nom. Cross Sect.	Conductor		Inductance	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)
(mm <sup>2</sup> )			(mH/km)				
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	293	14.10	1.37
185	0.164	0.211	0.308	388	332	17.39	1.37
240	0.125	0.162	0.297	453	383	22.56	1.37
300	0.100	0.130	0.289	515	430	28.20	1.37

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

# NA2XSEFGbY 3 x (50-300) mm<sup>2</sup> 18/30 kV

AI / XLPE / CTS / PVC / SFWA / PVC

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

Standard Specification : IEC 60502-2

## Construction Data

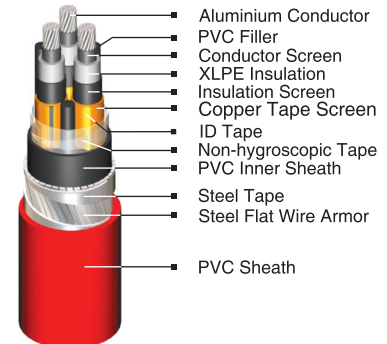
Nom. Cross Section Area	Overall Diameter	Cable Weight
	approx.	approx.
mm <sup>2</sup>	mm	kg/km
50	71.0	5,712
70	75.5	6,456
95	79.0	7,129
120	82.5	7,746
150	85.5	8,347
185	90.0	9,181
240	95.0	10,323
300	100.0	11,561

### Application :

For installation in the ground, indoors, cable trunking and outdoors if increased mechanical protection is required or where high-pulling stresses may occur during installation or operation.

### 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 ± 2%

## Electrical Data

Nom. Cross Sect. (mm <sup>2</sup> )	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	303	262	11.28	1.37
150	0.206	0.265	0.353	341	293	14.10	1.37
185	0.164	0.211	0.340	390	331	17.39	1.37
240	0.125	0.161	0.327	455	382	22.56	1.37
300	0.100	0.130	0.317	516	429	28.20	1.37

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