

# NA2XSEKBY 3 x (25-300) mm<sup>2</sup> 3.6/6 kV

AI / XLPE / CTS / PVC / LS / PVC / DSTA / PVC

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

## Construction Data

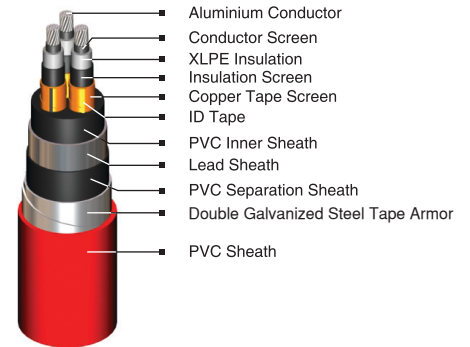
Nom. Cross Section Area	Overall Diameter	Cable Weight
	approx.	approx.
mm <sup>2</sup>	mm	kg/km
25	43.5	4,100
35	46.5	4,716
50	50.0	5,373
70	54.5	6,361
95	59.0	7,358
120	63.0	8,361
150	66.5	9,312
185	71.0	10,614
240	77.0	12,366
300	85.5	15,450

### Application :

For indoor, outdoor, in ground and in duct. Mainly on chemical industries, refineries, petrol stations and any other locations where there is a risk that solvent, fuel and other chemicals may penetrate and 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 - 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	0.346	118	112	2.35	1.03
35	0.868	1.113	0.326	143	134	3.29	1.03
50	0.641	0.822	0.314	170	158	4.70	1.03
70	0.443	0.568	0.296	212	193	6.58	1.03
95	0.320	0.411	0.284	256	230	8.93	1.03
120	0.253	0.325	0.276	294	261	11.28	1.03
150	0.206	0.265	0.269	332	291	14.10	1.03
185	0.164	0.212	0.262	380	329	17.39	1.03
240	0.125	0.162	0.256	443	378	22.56	1.37
300	0.100	0.130	0.253	502	422	28.20	1.37

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

# NA2XSEKBY 3 x (25-300) mm<sup>2</sup> 6/10 kV

AI / XLPE / CTS / PVC / LS / PVC / DSTA / PVC

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

## Construction Data

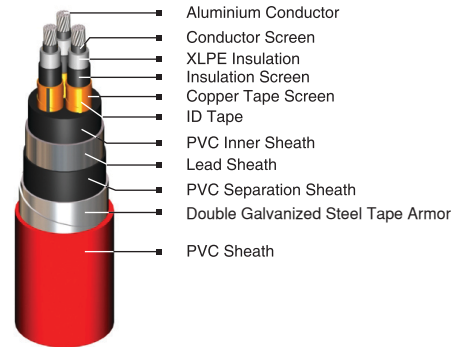
Nom. Cross Section Area	Overall Diameter	Cable Weight
	approx.	approx.
mm <sup>2</sup>	mm	kg/km
25	48.5	5,033
35	52.0	5,606
50	54.5	6,263
70	59.5	7,292
95	63.5	8,404
120	67.5	9,436
150	71.0	10,440
185	75.5	11,738
240	81.5	13,569
300	88.5	16,438

### Application :

For indoor, outdoor, in ground and in duct. Mainly on chemical industries, refineries, petrol stations and any other locations where there is a risk that solvent, fuel and other chemicals may penetrate and 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 - 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	120	112	2.35	1.03
35	0.868	1.113	0.350	145	134	3.29	1.03
50	0.641	0.822	0.336	172	157	4.70	1.03
70	0.443	0.568	0.316	214	19	6.58	1.03
95	0.320	0.411	0.303	258	229	8.93	1.03
120	0.253	0.325	0.293	296	260	11.28	1.03
150	0.206	0.265	0.285	333	290	14.10	1.03
185	0.164	0.211	0.277	382	328	17.39	1.37
240	0.125	0.162	0.268	444	377	22.56	1.37
300	0.100	0.130	0.261	503	421	28.20	1.37

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

# NA2XSEKBY 3 x (25-300) mm<sup>2</sup> 8.7/15 kV

## AI / XLPE / CTS / PVC / LS / PVC / DSTA / PVC

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

### Construction Data

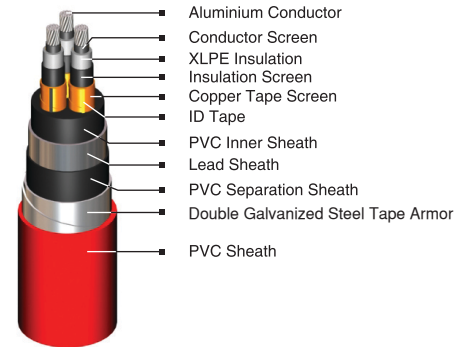
Nom. Cross Section Area	Overall Diameter	Cable Weight
	approx.	approx.
mm <sup>2</sup>	mm	kg/km
25	54.5	6,137
35	58.0	6,874
50	60.5	7,563
70	65.5	8,773
95	69.5	9,881
120	73.0	10,737
150	77.0	11,835
185	82.0	13,314
240	89.0	16,233
300	94.0	18,153

#### Application :

For indoor, outdoor, in ground and in duct. Mainly on chemical industries, refineries, petrol stations and any other locations where there is a risk that solvent, fuel and other chemicals may penetrate and 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 - 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	112	2.35	1.03
35	0.868	1.113	0.376	146	134	3.29	1.03
50	0.641	0.822	0.361	174	157	4.70	1.03
70	0.443	0.568	0.338	215	192	6.58	1.03
95	0.320	0.411	0.323	260	229	8.93	1.03
120	0.253	0.325	0.312	298	260	11.28	1.03
150	0.206	0.265	0.304	334	290	14.10	1.37
185	0.164	0.211	0.294	382	327	17.39	1.37
240	0.125	0.162	0.284	445	376	22.56	1.37
300	0.100	0.130	0.276	503	420	28.20	1.37

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

# NA2XSEKBY 3 x (35-300) mm<sup>2</sup> 12/20 kV

AI / XLPE / CTS / PVC / LS / PVC / DSTA / PVC

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

## Construction Data

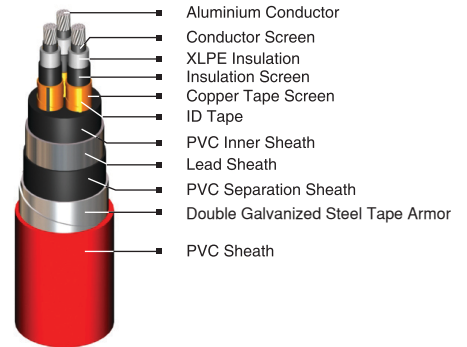
Nom. Cross Section Area	Overall Diameter	Cable Weight
	approx.	approx.
mm <sup>2</sup>	mm	kg/km
35	63.5	7,996
50	66.5	8,793
70	71.0	9,987
95	75.0	11,157
120	79.0	12,292
150	84.0	14,367
185	88.5	15,867
240	94.0	17,832
300	99.5	19,784

### Application :

For indoor, outdoor, in ground and in duct. Mainly on chemical industries, refineries, petrol stations and any other locations where there is a risk that solvent, fuel and other chemicals may penetrate and 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 ± 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)
35	0.868	1.113	0.397	147	133	3.29	1.03
50	0.641	0.822	0.380	174	157	4.70	1.03
70	0.443	0.568	0.357	216	192	6.58	1.03
95	0.320	0.411	0.340	261	229	8.93	1.37
120	0.253	0.325	0.328	299	260	11.28	1.37
150	0.206	0.265	0.319	335	289	14.10	1.37
185	0.164	0.211	0.308	383	326	17.39	1.37
240	0.125	0.162	0.297	445	375	22.56	1.37
300	0.100	0.130	0.289	503	419	28.20	1.37

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

# NA2XSEKBY 3 x (50-300) mm<sup>2</sup> 18/30 kV

## AI / XLPE / CTS / PVC / LS / PVC / DSTA / PVC

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

### Construction Data

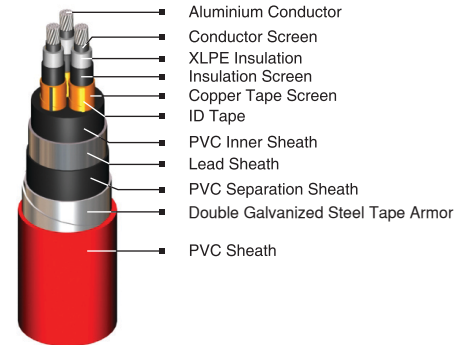
Nom. Cross Section Area	Overall Diameter	Cable Weight
	approx.	approx.
mm <sup>2</sup>	mm	kg/km
50	79.5	12,058
70	85.5	14,355
95	90.0	15,772
120	93.5	17,097
150	97.5	18,412
185	102.0	20,135
240	107.0	22,255
300	113.0	24,892

#### Application :

For indoor, outdoor, in ground and in duct. Mainly on chemical industries, refineries, petrol stations and any other locations where there is a risk that solvent, fuel and other chemicals may penetrate and 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 ± 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	176	156	4.70	1.37
70	0.443	0.568	0.396	218	191	6.58	1.37
95	0.320	0.411	0.377	262	227	8.93	1.37
120	0.253	0.325	0.364	300	258	11.28	1.37
150	0.206	0.265	0.353	337	287	14.10	1.37
185	0.164	0.211	0.340	384	324	17.39	1.37
240	0.125	0.161	0.327	445	372	22.56	1.37
300	0.100	0.130	0.317	501	415	28.20	1.37

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