

N2XR(AL)Y 1 x (25-500) mm² 0.6/1 kV

Cu / XLPE / AWA / PVC

(Copper Conductor, XLPE Insulated, Aluminium Wire Armor, PVC Sheathed)
Standard Specification : SPLN 43-7

Construction Data

Nom. Cross Section Area	Overall Diameter	Cable Weight
	approx.	approx.
mm²	mm	kg/km
25	18.0	571
35	19.1	685
50	21.0	863
70	23.0	1,104
95	25.0	1,377
120	27.0	1,682
150	29.0	1,987
185	31.5	2,419
240	34.5	3,062
300	37.5	3,660
400	42.0	4,708
500	46.0	5,883

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**
- Fire Resistance
 - 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 - 500 sqmm supplied in non compacted circular stranded (rm) or compacted circular stranded (cm) conductor shape

Standard Packing
25 - 300 sqmm supplied in wooden drum @ 1000 m
400 - 500 sqmm will be supplied 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	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)
25	0.727	0.927	0.394	0.441	161	154	165	159	3.58
35	0.524	0.668	0.375	0.421	196	184	201	190	5.01
50	0.387	0.494	0.356	0.402	237	218	244	224	7.15
70	0.268	0.342	0.339	0.386	297	266	304	273	10.01
95	0.193	0.247	0.324	0.371	362	317	370	325	13.59
120	0.153	0.196	0.319	0.365	420	360	429	367	17.16
150	0.124	0.159	0.313	0.359	477	401	486	408	21.45
185	0.0991	0.128	0.305	0.351	547	451	556	457	26.46
240	0.0754	0.098	0.296	0.342	643	517	650	520	34.32
300	0.0601	0.079	0.289	0.336	731	575	736	576	42.90
400	0.0470	0.063	0.290	0.336	827	631	822	623	57.20
500	0.0366	0.051	0.283	0.329	936	696	921	681	71.50

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

N2XRGbY 2 x (1.5-300) mm² 0.6/1 kV

Cu / XLPE / SWA / PVC

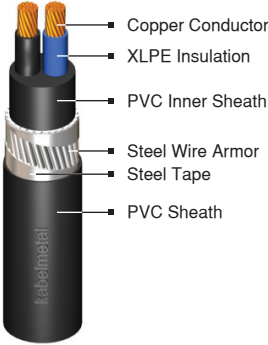
(Copper Conductor, XLPE Insulated, Steel Wire Armor, PVC Sheathed)
Standard Specification : SPLN 43-7

Construction Data

Nom. Cross Section Area	Overall Diameter	Cable Weight
	approx.	approx.
mm²	mm	kg/km
1.5	14.5	392
2.5	15.5	452
4	16.6	529
6	17.7	618
10	19.7	783
16	22.0	993
25	26.5	1,595
35	28.5	1,931
50	32.0	2,277
70	36.0	2,945
95	40.5	3,953
120	44.0	4,693
150	48.5	5,554
185	54.5	7,164
240	60.0	8,766
300	65.5	10,552

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**
- Fire Resistance
 - 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
1.5 - 10 sqmm supplied in solid (re) or non compacted circular stranded (rm) conductor shape
16 sqmm supplied in non compacted circular stranded (rm) conductor shape
25 - 300 sqmm supplied in compacted circular stranded (cm) conductor shape

Standard Packing
1.5 - 95 sqmm supplied in wooden drum @ 1000 m
120 - 300 sqmm will be supplied 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	
(mm²)	(Ω/km)	(Ω/km)	(mH/km)	(A)	(A)	(kA)
1.5	12.1	15.429	0.315	27	33	0.21
2.5	7.41	9.449	0.293	36	44	0.36
4	4.61	5.878	0.275	48	58	0.57
6	3.08	3.927	0.263	61	72	0.86
10	1.83	2.334	0.248	83	97	1.43
16	1.15	1.467	0.238	113	128	2.29
25	0.727	0.927	0.240	150	167	3.58
35	0.524	0.669	0.233	186	201	5.01
50	0.387	0.494	0.232	226	239	7.15
70	0.268	0.342	0.229	290	295	10.01
95	0.193	0.247	0.224	353	355	13.59
120	0.153	0.196	0.223	413	404	17.16
150	0.124	0.160	0.224	468	458	21.45
185	0.0991	0.128	0.225	540	516	26.46
240	0.0754	0.099	0.223	590	600	34.32
300	0.0601	0.080	0.221	745	695	42.90

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

N2XRGbY 3 x (1.5-300) mm² 0.6/1 kV

Cu / XLPE / SWA / PVC

(Copper Conductor, XLPE Insulated, Steel Wire Armor, PVC Sheathed)
Standard Specification : SPLN 43-7

Construction Data

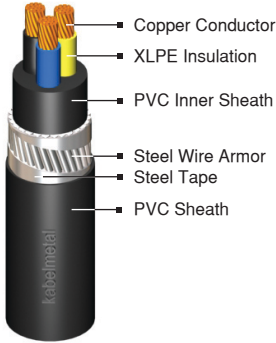
Nom. Cross Section Area	Overall Diameter	Cable Weight
	approx.	approx.
mm²	mm	kg/km
1.5	15.0	420
2.5	16.0	490
4	17.2	586
6	18.5	694
10	21.0	900
16	23.0	1,160
25	27.5	1,860
35	30.0	2,297
50	32.5	2,583
70	37.5	3,644
95	41.0	4,551
120	44.5	5,398
150	50.0	6,923
185	55.0	8,249
240	60.5	10,303
300	65.5	12,357

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

- Fire Resistance
- 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

1.5 - 10 sqmm supplied in solid (re) or non compacted circular stranded (rm) conductor shape

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

1.5 - 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

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	
(mm²)	(Ω/km)	(Ω/km)	(mH/km)	(A)	(A)	(kA)
1.5	12.1	15.429	0.315	23	29	0.21
2.5	7.41	9.449	0.293	32	38	0.36
4	4.61	5.878	0.275	41	49	0.57
6	3.08	3.927	0.263	52	60	0.86
10	1.83	2.334	0.248	71	77	1.43
16	1.15	1.467	0.238	96	108	2.29
25	0.727	0.927	0.240	130	141	3.58
35	0.524	0.669	0.233	159	170	5.01
50	0.387	0.494	0.232	193	201	7.15
70	0.268	0.342	0.229	245	249	10.01
95	0.193	0.247	0.224	302	299	13.59
120	0.153	0.196	0.223	349	340	17.16
150	0.124	0.160	0.224	400	381	21.45
185	0.0991	0.128	0.225	464	434	26.46
240	0.0754	0.099	0.223	552	506	34.32
300	0.0601	0.080	0.221	640	585	42.90

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

N2XRGbY 4 x (1.5-300) mm² 0.6/1 kV

Cu / XLPE / SWA / PVC

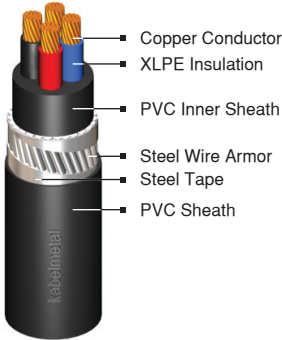
(Copper Conductor, XLPE Insulated, Steel Wire Armor, PVC Sheathed)
Standard Specification : SPLN 43-7

Construction Data

Nom. Cross Section Area	Overall Diameter	Cable Weight
	approx.	approx.
mm²	mm	kg/km
1.5	15.8	468
2.5	17.0	550
4	18.3	664
6	19.7	793
10	22.5	1,055
16	26.0	1,655
25	30.0	2,218
35	33.0	2,768
50	36.5	3,221
70	42.0	4,518
95	46.0	5,710
120	52.0	7,321
150	58.0	8,825
185	62.0	10,500
240	68.5	13,158
300	74.5	15,799

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**
- Fire Resistance
 - 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
1.5 - 10 sqmm supplied in solid (re) or non compacted circular stranded (rm) conductor shape
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
1.5 - 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

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	
(mm²)			(mH/km)			
1.5	12.1	15.429	0.315	23	29	0.21
2.5	7.41	9.449	0.293	32	38	0.36
4	4.61	5.878	0.275	41	49	0.57
6	3.08	3.927	0.263	52	60	0.86
10	1.83	2.334	0.248	71	97	1.43
16	1.15	1.467	0.238	96	108	2.29
25	0.727	0.927	0.240	130	141	3.58
35	0.524	0.669	0.233	159	170	5.01
50	0.387	0.494	0.232	193	201	7.15
70	0.268	0.342	0.229	245	249	10.01
95	0.193	0.247	0.224	302	299	13.59
120	0.153	0.196	0.223	349	340	17.16
150	0.124	0.160	0.224	400	381	21.45
185	0.0991	0.128	0.225	464	434	26.46
240	0.0754	0.099	0.223	552	506	34.32
300	0.0601	0.080	0.221	640	585	42.90

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

N2XRGbY 5 x (1.5-50) mm² 0.6/1 kV

Cu / XLPE / SWA / PVC

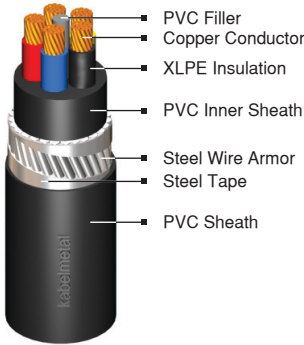
(Copper Conductor, XLPE Insulated, Steel Wire Armor, PVC Sheathed)
Standard Specification : SPLN 43-7

Construction Data

Nom. Cross Section Area	Overall Diameter	Cable Weight
	approx.	approx.
mm²	mm	kg/km
1.5	16.7	519
2.5	18.0	621
4	19.5	761
6	21.5	914
10	24.0	1,226
16	28.0	1,913
25	32.0	2,599
35	35.5	3,271
50	41.0	4,308

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**
- Fire Resistance
 - 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
1.5 - 10 sqmm supplied in solid (re) or non compacted circular stranded (rm) conductor shape
16 sqmm supplied in non compacted circular stranded (rm) conductor shape
25 - 50 sqmm supplied in compacted circular stranded (cm) conductor shape

Standard Packing
1.5 - 35 sqmm supplied in wooden drum @ 1000 m
50 sqmm will be supplied 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	
(mm²)			(mH/km)			
1.5	12.1	15.429	0.315	23	29	0.21
2.5	7.41	9.449	0.293	32	38	0.36
4	4.61	5.878	0.275	41	49	0.57
6	3.08	3.927	0.263	52	60	0.86
10	1.83	2.333	0.248	71	77	1.43
16	1.15	1.466	0.238	96	108	2.29
25	0.727	0.927	0.240	130	141	3.58
35	0.524	0.668	0.233	159	170	5.01
50	0.387	0.494	0.232	193	201	7.15

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