

N2XY 1 x (1.5-500) mm² 0.6/1 kV

Cu / XLPE / PVC

(Copper Conductor, XLPE Insulated, PVC Sheathed)
Standard Specification : SPLN 43-6

Construction Data

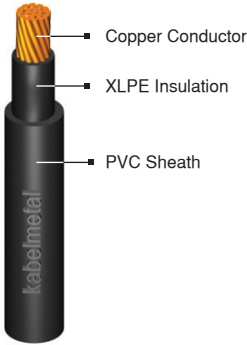
Nom. Cross Section Area	Overall Diameter	Cable Weight
	approx.	approx.
mm²	mm	kg/km
1.5	5.9	48
2.5	6.4	61
4	6.9	80
6	7.5	102
10	8.5	147
16	9.5	207
25	11.3	315
35	12.4	410
50	14.1	555
70	16.1	759
95	18.3	1,015
120	20.5	1,253
150	22.5	1,518
185	24.5	1,906
240	28.0	2,504
300	30.5	3,039
400	34.5	3,892
500	38.5	4,981

Application :
Power cable : Indoors, cable trunking, outdoors and burried in the ground, for power stations, industry and switchgear as well as for urban supply networks, if mechanical damage is unlikely.

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

Standard Packing
1.5 - 10 sqmm supplied in coil @ 100 m
16 - 400 sqmm supplied in wooden drum @ 1000 m
500 sqmm will be suplied 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	
					Max. (Ω/km)	Max. (Ω/km)	Max. (A)	Max. (A)	
(mm²)			(mH/km)	(mH/km)					Max. (kA)
1.5	12.1	15.429	0.452	0.498	25	33	26	34	0.21
2.5	7.41	9.449	0.417	0.463	34	43	35	44	0.36
4	4.61	5.878	0.387	0.433	45	56	46	57	0.57
6	3.08	3.927	0.364	0.410	57	69	58	71	0.86
10	1.83	2.334	0.336	0.382	78	92	80	94	1.43
16	1.15	1.466	0.315	0.361	104	118	107	121	2.29
25	0.727	0.927	0.302	0.348	141	152	145	156	3.58
35	0.524	0.668	0.289	0.335	173	182	178	187	5.01
50	0.387	0.494	0.279	0.325	213	216	220	222	7.15
70	0.268	0.342	0.270	0.316	271	265	279	272	10.01
95	0.193	0.247	0.266	0.312	336	316	346	326	13.59
120	0.153	0.196	0.261	0.307	392	359	405	370	17.16
150	0.124	0.160	0.259	0.305	451	403	466	415	21.45
185	0.0991	0.128	0.256	0.302	526	455	542	470	26.46
240	0.0754	0.099	0.253	0.300	630	527	650	544	34.32
300	0.0601	0.080	0.249	0.295	728	593	751	613	42.90
400	0.0470	0.064	0.249	0.295	848	671	875	694	57.20
500	0.0366	0.052	0.246	0.292	985	757	1018	784	71.50

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

N2XY 2 x (1.5-300) mm² 0.6/1 kV

Cu / XLPE / PVC

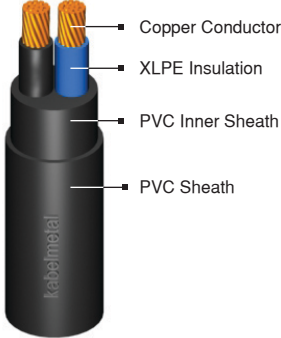
(Copper Conductor, XLPE Insulated, PVC Sheathed)
Standard Specification : SPLN 43-6

Construction Data

Nom. Cross Section Area	Overall Diameter	Cable Weight
	approx.	approx.
mm²	mm	kg/km
1.5	12.0	182
2.5	13.0	223
4	14.1	279
6	15.2	344
10	17.2	474
16	19.2	639
25	22.5	912
35	25.0	1,173
50	27.5	1,411
70	31.5	1,929
95	35.5	2,589
120	39.0	3,182
150	43.5	3,894
185	48.5	4,869
240	54.0	6,217
300	59.5	7,697

Application :
Power cable : Indoors, cable trunking, outdoors and buried in the ground, for power stations, industry and switchgear as well as for urban supply networks, if mechanical damage is unlikely.

- 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
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 - 150 sqmm supplied in wooden drum @ 1000 m
185 - 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

N2XY 3 x (1.5-300) mm² 0.6/1 kV

Cu / XLPE / PVC

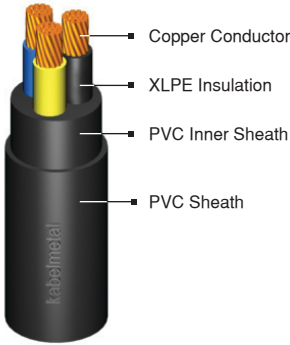
(Copper Conductor, XLPE Insulated, PVC Sheathed)
Standard Specification : SPLN 43-6

Construction Data

Nom. Cross Section Area	Overall Diameter	Cable Weight
	approx.	approx.
mm²	mm	kg/km
1.5	12.5	203
2.5	13.5	253
4	14.7	324
6	16.0	405
10	18.0	572
16	20.5	786
25	24.0	1,139
35	26.0	1,483
50	28.0	1,698
70	32.5	2,382
95	36.0	3,168
120	39.0	3,895
150	44.0	4,830
185	48.5	5,971
240	54.5	7,752
300	59.0	9,544

Application :
Power cable : Indoors, cable trunking, outdoors and burried in the ground, for power stations, industry and switchgear as well as for urban supply networks, if mechanical damage is unlikely.

- 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
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 - 120 sqmm supplied in wooden drum @ 1000 m
150 - 300 sqmm will be suplied 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	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

N2XY 4 x (1.5-300) mm² 0.6/1 kV

Cu / XLPE / PVC

(Copper Conductor, XLPE Insulated, PVC Sheathed)
Standard Specification : SPLN 43-6

Construction Data

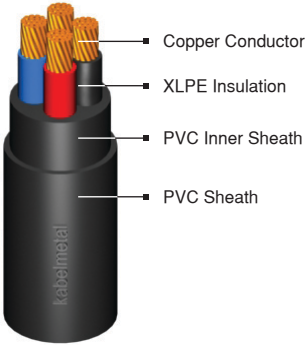
Nom. Cross Section Area	Overall Diameter	Cable Weight
	approx.	approx.
mm²	mm	kg/km
1.5	13.3	232
2.5	14.5	294
4	15.8	382
6	17.2	484
10	19.5	700
16	22.0	973
25	26.0	1,422
35	28.5	1,864
50	32.5	2,218
70	36.5	3,105
95	40.5	4,148
120	45.5	5,180
150	51.5	6,371
185	56.0	7,861
240	62.5	10,208
300	68.0	12,573

Application :
Power cable : Indoors, cable trunking, outdoors and buried in the ground, for power stations, industry and switchgear as well as for urban supply networks, if mechanical damage is unlikely.

- 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
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 suplied 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

N2XY 5 x (1.5-50) mm² 0.6/1 kV

Cu / XLPE / PVC

(Copper Conductor, XLPE Insulated, PVC Sheathed)
Standard Specification : SPLN 43-6

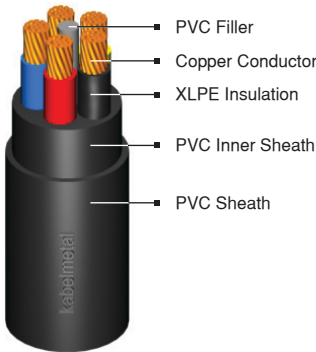
Construction Data

Nom. Cross Section Area	Overall Diameter	Cable Weight
	approx.	approx.
mm²	mm	kg/km
1.5	14.2	269
2.5	15.5	345
4	17.0	453
6	18.5	579
10	21.5	838
16	24.0	1,174
25	28.5	1,728
35	31.5	2,273
50	36.0	2,917

Application :
Power cable : Indoors, cable trunking, outdoors and burried in the ground, for power stations, industry and switchgear as well as for urban supply networks, if mechanical damage is unlikely.

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

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 - 50 sqmm supplied in wooden drum @ 1000 m
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	97	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