

N2XFGbY 2 x (25-300) mm² 0.6/1 kV

Cu / XLPE / SFWA / PVC

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

Construction Data

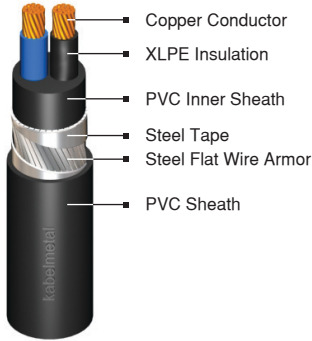
Nom. Cross Section Area	Overall Diameter	Cable Weight
	approx.	approx.
mm²	mm	kg/km
25	25.0	1,374
35	27.0	1,699
50	30.0	2,004
70	34.0	2,610
95	38.0	3,352
120	41.5	4,017
150	46.0	4,849
185	50.5	5,907
240	56.5	7,386
300	61.5	8,996

Application :

For installation in the ground, indoors, cable trunking For installation in the ground, indoors, cable trunking 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

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

Standard Packing

25 - 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

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	
	Max. (Ω/km)	Max. (Ω/km)		Max. (A)	Max. (A)	
(mm²)			(mH/km)			Max. (kA)
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

N2XFGbY 3 x (25-300) mm² 0.6/1 kV

Cu / XLPE / SFWA / PVC

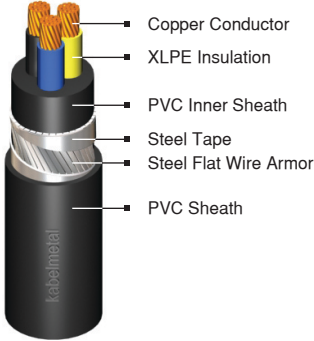
(Copper Conductor, XLPE Insulated, Steel Flat Wire Armor, PVC Sheathed)
Standard Specification : SPLN 43-7

Construction Data

Nom. Cross Section Area	Overall Diameter	Cable Weight
	approx.	approx.
mm²	mm	kg/km
25	26.0	1,634
35	28.5	2,043
50	30.5	2,307
70	35.0	3,048
95	38.0	3,929
120	41.5	4,725
150	46.0	5,714
185	50.5	6,953
240	57.0	8,921
300	61.5	10,840

Application :
For installation in the ground, indoors, cable trunking For installation in the ground, indoors, cable trunking 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
25 - 35 sqmm supplied in compacted circular stranded (cm) conductor shape
50 - 300 sqmm supplied in sector shaped stranded (sm) conductor

Standard Packing
25 - 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)			(mH/km)			
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

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N2XFGbY 4 x (16-300) mm² 0.6/1 kV

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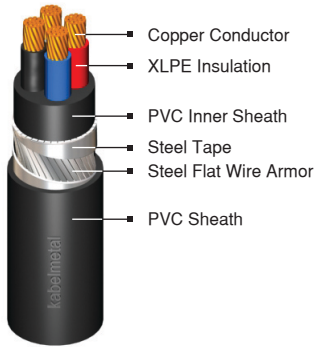
(Copper Conductor, XLPE Insulated, Steel Flat Wire Armor, PVC Sheathed)
Standard Specification : SPLN 43-7

Construction Data

Nom. Cross Section Area	Overall Diameter	Cable Weight
	approx.	approx.
mm ²	mm	kg/km
16	24.5	1,434
25	28.0	1,954
35	31.0	2,462
50	35.0	2,901
70	39.0	3,890
95	43.0	5,033
120	48.0	6,170
150	54.0	7,500
185	58.5	9,064
240	65.0	11,575
300	70.5	14,077

Application :
For installation in the ground, indoors, cable trunking For installation in the ground, indoors, cable trunking 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
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
16 - 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)			(mH/km)			
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

N2XFGbY 5 x (16-50) mm² 0.6/1 kV

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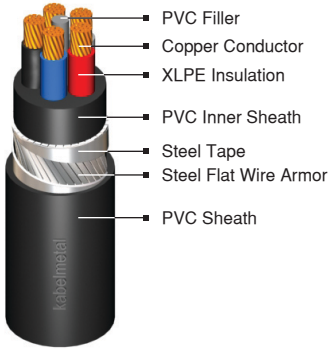
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Standard Specification : SPLN 43-7

Construction Data

Nom. Cross Section Area	Overall Diameter	Cable Weight
	approx.	approx.
mm²	mm	kg/km
16	26.5	1,671
25	30.5	2,324
35	34.0	2,952
50	38.5	3,699

Application :
For installation in the ground, indoors, cable trunking For installation in the ground, indoors, cable trunking 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
16 sqmm supplied in non compacted circular stranded (rm) conductor shape
25 - 50 sqmm supplied in compacted circular stranded (cm) conductor shape

Standard Packing
16 - 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	
	Max. (Ω/km)	Max. (Ω/km)		Max. (A)	Max. (A)	
(mm²)			(mH/km)			Max. (kA)
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