

NA2XFGbY 2 x (25-300) mm² 0.6/1 kV

AI / XLPE / SFWA / PVC

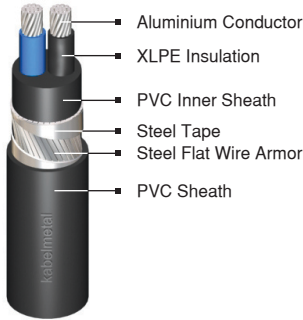
(Aluminium Conductor, XLPE Insulated, Steel Flat Wire Armor, PVC Sheathed)
Standard Specification : SPLN 43-7

Construction Data

Nom. Cross Section Area	Overall Diameter	Cable Weight
	approx.	approx.
mm²	mm	kg/km
25	24.5	1,047
35	27.0	1,259
50	30.0	1,429
70	34.0	1,773
95	38.0	2,198
120	41.5	2,568
150	45.0	2,963
185	51.0	3,656
240	56.0	4,377
300	61.0	5,238

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 - 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)
25	1.20	1.539	0.242	119	130	2.35
35	0.868	1.113	0.234	145	157	3.29
50	0.641	0.822	0.232	175	185	4.70
70	0.443	0.568	0.229	220	229	6.58
95	0.320	0.411	0.224	272	276	8.93
12	0.253	0.325	0.223	317	320	11.28
150	0.206	0.265	0.225	362	351	14.10
185	0.164	0.211	0.225	420	400	17.39
240	0.125	0.162	0.223	497	467	22.56
300	0.100	0.130	0.222	577	532	28.20

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

NA2XFGbY 3 x (25-300) mm² 0.6/1 kV

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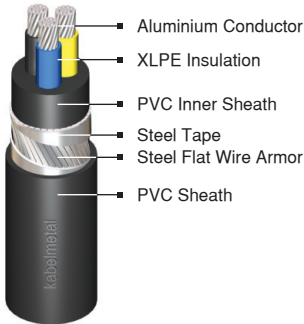
(Aluminium Conductor, XLPE Insulated, Steel Flat Wire Armor, PVC Sheathed)
Standard Specification : SPLN 43-7

Construction Data

Nom. Cross Section Area	Overall Diameter	Cable Weight
	approx.	approx.
mm²	mm	kg/km
25	25.5	1,153
35	28.5	1,388
50	30.5	1,436
70	35.0	1,792
95	38.0	2,183
120	41.5	2,547
150	46.0	2,997
185	50.5	3,559
240	57.0	4,447
300	61.5	5,258

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 - 35 sqmm supplied in compacted circular stranded (cm) conductor shape
50 - 300 sqmm supplied in sector shaped stranded (sm) conductor

Standard Packing
25 - 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)			(mH/km)			
25	1.20	1.539	0.242	100	110	2.35
35	0.868	1.113	0.234	123	132	3.29
50	0.641	0.822	0.232	149	156	4.70
70	0.443	0.568	0.229	189	193	6.58
95	0.320	0.411	0.224	233	232	8.93
120	0.253	0.325	0.223	271	268	11.28
150	0.206	0.265	0.225	310	296	14.10
185	0.164	0.211	0.225	359	336	17.39
240	0.125	0.162	0.223	429	429	22.56
300	0.100	0.130	0.222	496	447	28.20

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NA2XFGbY 4 x (16-300) mm² 0.6/1 kV

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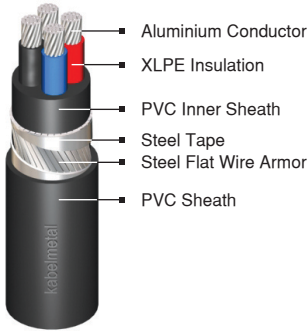
(Aluminium Conductor, XLPE Insulated, Steel Flat Wire Armor, PVC Sheathed)
Standard Specification : SPLN 43-7

Construction Data

Nom. Cross Section Area	Overall Diameter	Cable Weight
	approx.	approx.
mm ²	mm	kg/km
16	25.0	1,065
25	27.5	1,316
35	30.5	1,591
50	35.0	1,740
70	39.0	2,216
95	43.0	2,706
120	48.0	3,266
150	54.0	3,877
185	58.5	4,539
240	65.0	5,610
300	70.5	6,635

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
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 - 120 sqmm supplied in wooden drum @ 1000 m
150 - 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	1.91	2.449	0.236	75	84	1.50
25	1.20	1.539	0.242	110	110	2.35
35	0.868	1.113	0.234	123	132	3.29
50	0.641	0.822	0.232	149	156	4.70
70	0.443	0.568	0.229	189	193	6.58
95	0.320	0.411	0.224	233	232	8.93
120	0.253	0.325	0.223	271	268	11.28
150	0.206	0.265	0.225	310	296	14.10
185	0.164	0.211	0.225	359	336	17.39
240	0.125	0.162	0.223	429	393	22.56
300	0.100	0.130	0.222	496	447	28.20

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

NA2XFGbY 5 x (16-50) mm² 0.6/1 kV

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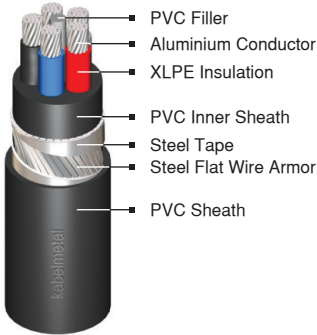
(Aluminium Conductor, XLPE Insulated, Steel Flat Wire Armor, PVC Sheathed)
Standard Specification : SPLN 43-7

Construction Data

Nom. Cross Section Area	Overall Diameter	Cable Weight
	approx.	approx.
mm ²	mm	kg/km
16	27.0	1,235
25	30.0	1,528
35	33.5	1,864
50	38.5	2,262

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
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)	
(mm ²)			(mH/km)			Max. (kA)
16	1.91	2.449	0.236	75	84	1.50
25	1.20	1.539	0.242	100	110	2.35
35	0.868	1.113	0.234	123	132	3.29
50	0.641	0.822	0.232	149	156	4.70

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