

NYFGbY 2 x (25-300) mm² 0.6/1 kV

Cu / PVC / SFWA / PVC

(Copper Conductor, PVC Insulated, Galvanized Steel Flat Wire Armor, PVC Sheathed)
Standard Specification : SPLN 43-2

Construction Data

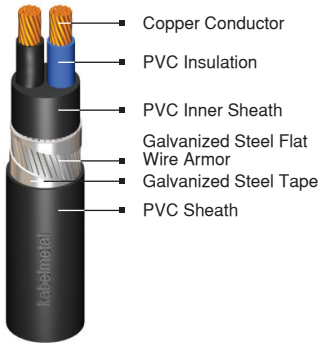
Nom. Cross Section Area	Overall Diameter	Cable Weight
	approx.	approx.
mm²	mm	kg/km
25	26.0	1,496
35	28.5	1,833
50	32.0	2,177
70	36.0	2,816
95	40.0	3,605
120	43.5	4,260
150	48.0	5,153
185	52.5	6,224
240	58.5	7,815
300	64.5	9,523

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
- Heat Resistance
- Anti Termite
- Anti Rodent
- Low Smoke Zero Halogen



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

Conductor			Insulation	Inductance	Current - Carrying Capacity at 30°C *		Short circuit current at 1 sec
Nom. Cross Sect.	DC Resistance at 20°C	AC Resistance at 70°C	Insulation Resistance at 20°C		in air	in ground	
	Max. (Ω/km)	Max. (Ω/km)	Min. (M.Ω.km)		Max. (A)	Max. (A)	
(mm²)				(mH/km)			Max. (kA)
25	0.727	0.870	40	0.255	120	134	2.88
35	0.524	0.627	40	0.246	150	160	4.03
50	0.387	0.464	30	0.247	180	187	5.75
70	0.268	0.321	30	0.238	230	230	8.05
95	0.193	0.232	30	0.238	275	280	10.93
120	0.153	0.184	30	0.233	320	320	13.80
150	0.124	0.150	20	0.233	375	355	17.25
185	0.0991	0.121	20	0.233	430	409	21.28
240	0.0754	0.093	20	0.232	510	472	27.60
300	0.0601	0.075	20	0.231	590	525	34.50

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

NYFGbY 3 x (25-400) mm² 0.6/1 kV

Cu / PVC / SFWA / PVC

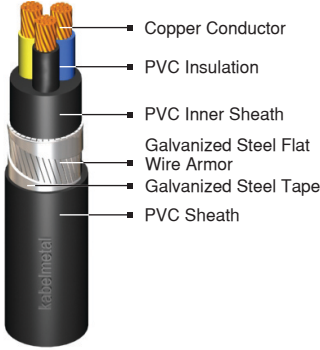
(Copper Conductor, PVC Insulated, Galvanized Steel Flat Wire Armor, PVC Sheathed)
Standard Specification : SPLN 43-2

Construction Data

Nom. Cross Section Area	Overall Diameter	Cable Weight
	approx.	approx.
mm²	mm	kg/km
25	27.5	1,776
35	30.0	2,199
50	32.5	2,502
70	36.5	3,286
95	41.0	4,249
120	44.0	5,041
150	48.5	6,108
185	53.0	7,427
240	59.5	9,451
300	65.0	11,483
400	71.5	14,273

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
 - Heat Resistance
 - Anti Termite
 - Anti Rodent
 - Low Smoke Zero Halogen



Note :
Conductor Shape
25 - 35 sqmm supplied in compacted circular stranded (cm) conductor shape
50 - 400 sqmm supplied in sector shaped stranded (sm) conductor

Standard Packing
25 - 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			Insulation	Inductance	Current - Carrying Capacity at 30°C *		Short circuit current at 1 sec
Nom. Cross Sect.	DC Resistance at 20°C	AC Resistance at 70°C	Insulation Resistance at 20°C		in air	in ground	
	Max. (Ω/km)	Max. (Ω/km)	Min. (M.Ω.km)		Max. (A)	Max. (A)	Max. (kA)
(mm²)				(mH/km)			
25	0.727	0.870	40	0.255	105	116	2.88
35	0.524	0.627	40	0.246	130	138	4.03
50	0.387	0.464	30	0.247	160	165	5.75
70	0.268	0.321	30	0.238	200	205	8.05
95	0.193	0.232	30	0.238	245	245	10.93
120	0.153	0.184	30	0.233	285	280	13.80
150	0.124	0.150	20	0.233	325	315	17.25
185	0.0991	0.121	20	0.233	370	355	21.28
240	0.0754	0.093	20	0.232	435	415	27.60
300	0.0601	0.075	20	0.231	500	465	34.50
400	0.0470	0.060	20	0.229	600	535	41.20

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

NYFGbY 4 x (16-400) mm² 0.6/1 kV

Cu / PVC / SFWA / PVC

(Copper Conductor, PVC Insulated, Galvanized Steel Flat Wire Armor, PVC Sheathed)
Standard Specification : SPLN 43-2

Construction Data

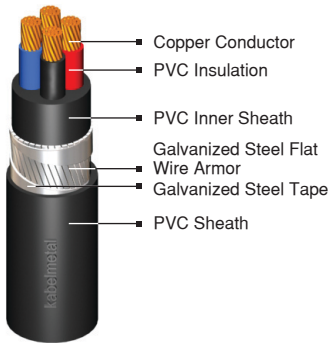
Nom. Cross Section Area	Overall Diameter	Cable Weight
	approx.	approx.
mm²	mm	kg/km
16	26.0	1,578
25	29.5	2,124
35	32.5	2,665
50	38.0	3,245
70	41.5	4,166
95	47.0	5,450
120	51.0	6,562
150	57.5	7,984
185	62.0	9,688
240	68.5	12,285
300	75.0	14,934
400	85.0	18,791

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
- Heat Resistance
- 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 - 400 sqmm supplied in sector shaped stranded (sm) conductor

Standard Packing

16 - 50 sqmm supplied in wooden drum @ 1000 m
70 - 400 sqmm will be suplied in wooden drum on available length
Length Tolerance per drum ± 2%

Electrical Data

Conductor			Insulation	Inductance	Current - Carrying Capacity at 30°C *		Short circuit current at 1 sec
Nom. Cross Sect.	DC Resistance at 20°C	AC Resistance at 70°C	Insulation Resistance at 20°C		in air	in ground	
(mm²)	Max. (Ω/km)	Max. (Ω/km)	Min. (M.Ω.km)		(mH/km)	Max. (A)	Max. (A)
16	1.15	1.376	40	0.255	80	89	1.84
25	0.727	0.870	40	0.255	105	116	2.88
35	0.524	0.627	40	0.246	130	138	4.03
50	0.387	0.464	30	0.247	160	165	5.75
70	0.268	0.321	30	0.238	200	205	8.05
95	0.193	0.232	30	0.238	245	245	10.93
120	0.153	0.184	30	0.233	285	280	13.80
150	0.124	0.150	20	0.233	325	315	17.25
185	0.0991	0.121	20	0.233	370	355	21.28
240	0.0754	0.093	20	0.232	435	415	27.60
300	0.0601	0.075	20	0.231	500	465	34.50
400	0.0470	0.060	20	0.229	600	535	41.20

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

NYFGbY 5 x (16-50) mm² 0.6/1 kV

Cu / PVC / SFWA / PVC

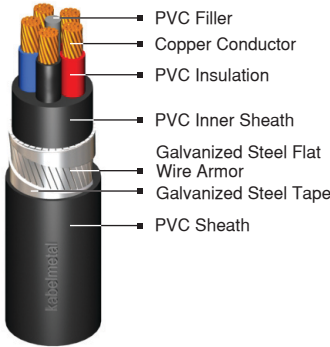
(Copper Conductor, PVC Insulated, Galvanized Steel Flat Wire Armor, PVC Sheathed)
Standard Specification : SPLN 43-2

Construction Data

Nom. Cross Section Area	Overall Diameter	Cable Weight
	approx.	approx.
mm ²	mm	kg/km
16	28.0	1,840
25	32.5	2,540
35	35.5	3,194
50	40.5	3,982

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
 - Heat Resistance
 - 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
10 - 50 sqmm supplied in wooden drum @ 1000 m
Length Tolerance per drum ± 2%

Electrical Data

Conductor			Insulation	Inductance	Current - Carrying Capacity at 30°C *		Short circuit current at 1 sec
Nom. Cross Sect.	DC Resistance at 20°C	AC Resistance at 70°C	Insulation Resistance at 20°C		in air	in ground	
	Max. (Ω/km)	Max. (Ω/km)	Min. (M.Ω.km)		Max. (A)	Max. (A)	Max. (kA)
(mm ²)				(mH/km)			
16	1.15	1.376	40	0.255	80	89	1.84
25	0.727	0.870	40	0.255	105	116	2.88
35	0.524	0.627	40	0.246	130	138	4.03
50	0.387	0.463	30	0.247	160	165	5.75

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