

NYR(AL)Y 1 x (10-500) mm² 0.6/1 kV

Cu / PVC / AWA / PVC

(Copper Conductor, PVC Insulated, Aluminium 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
10	15.7	384
16	16.7	465
25	18.6	611
35	19.7	733
50	22.0	925
70	23.5	1,162
95	26.0	1,467
120	28.0	1,773
150	30.0	2,085
185	32.5	2,535
240	35.5	3,214
300	38.5	3,847
400	43.5	4,924
500	47.5	6,145

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
- Nylon Coated



Conductor Shape

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

10 - 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			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	Trefoil formation	Flat formation					
							in air	in ground	in air	
(mm²)	Max. (Ω/km)	Max. (Ω/km)	Min. (M.Ω.km)	(mH/km)	(mH/km)	Max. (A)	Max. (A)	Max. (A)	Max. (A)	Max. (kA)
10	1.83	2.190	50	0.460	0.506	75	77	77	80	1.15
16	1.15	1.376	40	0.429	0.475	98	100	101	103	1.84
25	0.727	0.870	40	0.401	0.447	129	128	133	132	2.88
35	0.524	0.627	40	0.382	0.428	157	153	161	158	4.03
50	0.387	0.463	30	0.364	0.410	190	181	195	186	5.75
70	0.268	0.321	30	0.345	0.391	237	221	243	227	8.05
95	0.193	0.232	30	0.333	0.379	290	264	296	270	10.93
120	0.153	0.184	30	0.325	0.371	335	299	342	304	13.80
150	0.124	0.150	20	0.318	0.365	380	333	386	338	17.25
185	0.0991	0.120	20	0.310	0.356	435	374	441	378	21.28
240	0.0754	0.092	20	0.302	0.348	510	428	514	429	27.60
300	0.0601	0.075	20	0.296	0.342	579	476	581	474	34.50
400	0.0470	0.060	20	0.296	0.342	652	521	646	512	41.20
500	0.0366	0.048	20	0.289	0.335	734	572	721	557	51.50

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

NYRGbY 2 x (10-300) mm² 0.6/1 kV

Cu / PVC / SWA / PVC

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

Construction Data

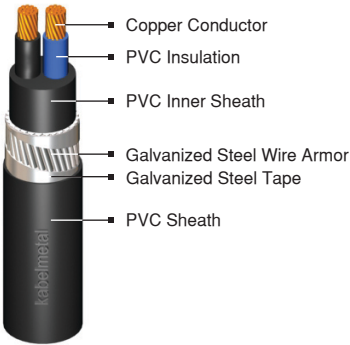
Nom. Cross Section Area	Overall Diameter	Cable Weight
	approx.	approx.
mm ²	mm	kg/km
10	21.0	873
16	23.0	1,088
25	27.5	1,722
35	30.0	2,070
50	33.0	2,444
70	38.0	3,324
95	43.0	4,257
120	46.0	4,963
150	51.5	6,294
185	56.5	7,536
240	62.5	9,264
300	68.0	11,119

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

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

10 - 70 sqmm supplied in wooden drum @ 1000 m

95 - 400 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)
(mm ²)				(mH/km)			
10	1.83	2.190	50	0.269	66	78	1.15
16	1.15	1.376	40	0.255	90	102	1.84
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

NYRGbY 3 x (10-400) mm² 0.6/1 kV

Cu / PVC / SWA / PVC

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

Construction Data

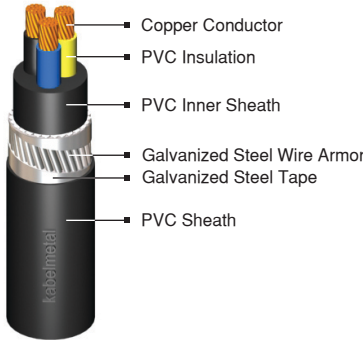
Nom. Cross Section Area	Overall Diameter	Cable Weight
	approx.	approx.
mm²	mm	kg/km
10	22.0	1,004
16	24.5	1,276
25	29.0	2,024
35	31.5	2,459
50	34.5	2,815
70	38.5	3,798
95	43.5	4,895
120	46.5	5,745
150	52.0	7,299
185	57.0	8,741
240	63.5	10,902
300	67.0	12,956
400	75.0	16,037

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

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

Standard Packing

10 - 70 sqmm supplied in wooden drum @ 1000 m

95 - 400 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	
(mm²)				(mH/km)			
10	1.83	2.190	50	0.269	60	69	1.15
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	285	13.80
150	0.124	0.150	30	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

NYRGbY 4 x (10-400) mm² 0.6/1 kV

Cu / PVC / SWA / PVC

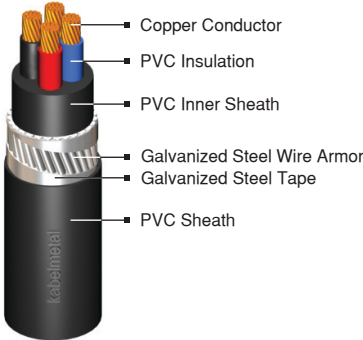
(Copper Conductor, PVC Insulated, Galvanized Steel Wire Armor, PVC Sheathed)
Standard Specification : SPLN 43-2

Construction Data

Nom. Cross Section Area	Overall Diameter	Cable Weight
	approx.	approx.
mm ²	mm	kg/km
10	24.0	1,182
16	27.5	1,804
25	31.5	2,410
35	34.5	2,962
50	39.0	3,743
70	42.5	4,713
95	50.0	6,552
120	55.0	7,828
150	58.0	9,140
185	64.5	11,081
240	70.5	13,786
300	79.0	16,779
400	88.5	20,882

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

Standard Packing
10 - 50 sqmm supplied in wooden drum @ 1000 m
70 - 400 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)
(mm ²)				(mH/km)			
10	1.83	2.190	50	0.269	60	69	1.15
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	285	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

NYRGbY 5 x (10-50) mm² 0.6/1 kV

Cu / PVC / SWA / PVC

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

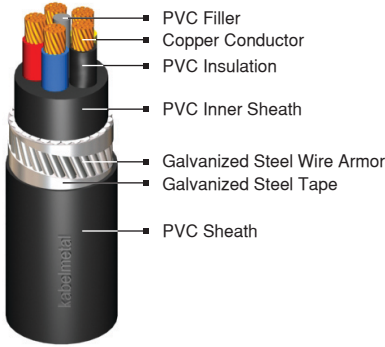
Construction Data

Nom. Cross Section Area	Overall Diameter approx.	Cable Weight approx.
mm ²	mm	kg/km
10	27.0	1,655
16	30.0	2,118
25	34.5	2,853
35	38.0	3,754
50	43.0	4,640

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

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

10 - 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

Nom. Cross Sect. (mm ²)	Conductor		Insulation	Inductance (mH/km)	Current - Carrying Capacity at 30°C *		Short circuit current at 1 sec Max. (kA)
	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)	
10	1.83	2.190	40	0.269	60	69	1.15
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