

NYR(AL)Y 1 x (10-800) mm² 0.6/1 kV Cu / PVC / AWA / PVC

(Copper Conductor, PVC Insulated, Aluminium Wire Armor, PVC Sheathed)
Standard Specification : IEC 60502-1

Construction Data

Nom. Cross Section Area	Overall Diameter	Cable Weight
	approx.	approx.
mm ²	mm	kg/km
10	14.4	326
16	15.4	402
25	17.2	541
35	18.3	658
50	20.5	841
70	22.5	1,070
95	24.5	1,365
120	26.5	1,662
150	28.5	1,967
185	31.0	2,406
240	34.0	3,071
300	38.0	3,781
400	42.0	4,764
500	46.5	5,968
630	51.0	7,538
800	57.0	9,508

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 - 800 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 - 800 sqmm supplied 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 70°C	Trefoil formation	Flat formation	⊗⊗⊗		⊙⊙⊙		
	Max. (Ω/km)	Max. (Ω/km)			in air	in ground	in air	in ground	
(mm ²)			(mH/km)	(mH/km)	Max. (A)	Max. (A)	Max. (A)	Max. (A)	Max. (kA)
10	1.83	2.190	0.442	0.489	73	77	75	79	1.15
16	1.15	1.376	0.412	0.458	96	99	98	102	1.84
25	0.727	0.870	0.386	0.432	127	128	130	131	2.88
35	0.524	0.627	0.367	0.414	154	153	158	157	4.03
50	0.387	0.463	0.351	0.397	187	181	192	186	5.75
70	0.268	0.321	0.333	0.379	234	222	240	227	8.05
95	0.193	0.232	0.322	0.368	286	264	292	269	10.93
120	0.153	0.184	0.315	0.361	331	299	338	304	13.80
150	0.124	0.150	0.309	0.355	376	334	383	338	17.25
185	0.0991	0.120	0.302	0.348	431	375	438	378	21.28
240	0.0754	0.092	0.294	0.340	507	429	511	430	27.60
300	0.0601	0.075	0.293	0.340	573	472	573	468	34.50
400	0.0470	0.060	0.290	0.337	650	522	644	513	41.20
500	0.0366	0.048	0.284	0.330	732	573	719	557	51.50
630	0.0283	0.040	0.275	0.321	820	625	799	602	64.89
800	0.0221	0.033	0.275	0.321	883	651	851	620	82.40

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

NYRY 2 x (1.5-300) mm² 0.6/1 kV

Cu / PVC / SWA / PVC

(Copper Conductor, PVC Insulated, Galvanized Steel Wire Armor, PVC Sheathed)

Standard Specification : IEC 60502-1

Construction Data

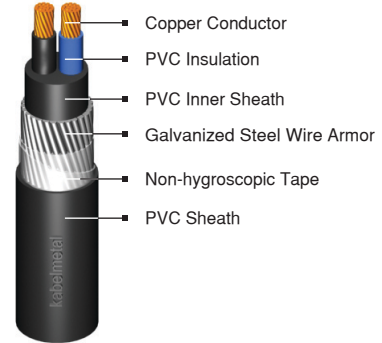
Nom. Cross Section Area	Overall Diameter	Cable Weight
	approx.	approx.
mm ²	mm	kg/km
1.5	14.0	347
2.5	15.0	403
4	16.9	516
6	18.8	701
10	21.0	874
16	23.0	1,082
25	27.0	1,565
35	29.0	1,893
50	32.5	2,293
70	37.0	3,150
95	42.0	4,037
120	45.0	4,725
150	50.5	6,041
185	55.5	7,253
240	61.5	8,949
300	67.5	10,731

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

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 - 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

Nom. Cross Sect. (mm ²)	Conductor		Inductance (mH/km)	Current - Carrying Capacity at 30°C *		Short circuit current at 1 sec (kA)
	DC Resistance at 20°C (Ω/km)	AC Resistance at 70°C (Ω/km)		in air (A)	in ground (A)	
1.5	12.1	14.478	0.328	24	28	0.17
2.5	7.41	8.866	0.304	32	37	0.29
4	4.61	5.516	0.303	42	48	0.46
6	3.08	3.685	0.288	54	61	0.69
10	1.83	2.190	0.269	73	82	1.15
16	1.15	1.376	0.255	97	106	1.84
25	0.727	0.870	0.255	128	137	2.88
35	0.524	0.627	0.246	157	165	4.03
50	0.387	0.464	0.247	188	194	5.75
70	0.268	0.321	0.238	238	240	8.05
95	0.193	0.232	0.238	288	284	10.93
120	0.153	0.184	0.233	333	323	13.80
150	0.124	0.150	0.233	381	363	17.25
185	0.0991	0.121	0.233	433	406	21.28
240	0.0754	0.093	0.232	506	466	27.60
300	0.0601	0.075	0.231	573	520	34.50

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

NYRY 3 x (1.5-300) mm² 0.6/1 kV

Cu / PVC / SWA / PVC

(Copper Conductor, PVC Insulated, Galvanized Steel Wire Armor, PVC Sheathed)

Standard Specification : IEC 60502-1

Construction Data

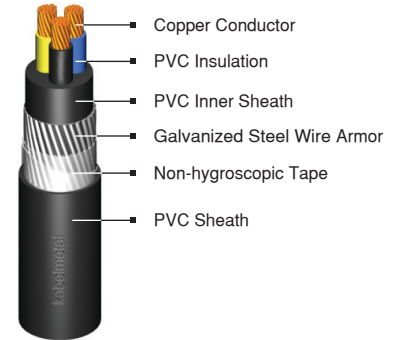
Nom. Cross Section Area	Overall Diameter	Cable Weight
	approx.	approx.
mm ²	mm	kg/km
1.5	14.5	382
2.5	15.5	448
4	18.4	678
6	19.6	783
10	22.0	1,006
16	24.0	1,276
25	28.0	1,863
35	30.5	2,279
50	33.5	2,644
70	38.5	3,664
95	42.5	4,661
120	45.5	5,487
150	51.5	7,040
185	56.5	8,457
240	62.5	10,579
300	68.0	12,683

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

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 supplied in wooden drum on available length

Length Tolerance per drum ± 2%

Electrical Data

Nom. Cross Sect. (mm ²)	Conductor		Inductance (mH/km)	Current - Carrying Capacity at 30°C *		Short circuit current at 1 sec (kA)
	DC Resistance at 20°C	AC Resistance at 70°C		in air	in ground	
1.5	12.1	14.478	0.328	20	24	0.17
2.5	7.41	8.866	0.304	27	32	0.29
4	4.61	5.516	0.303	36	41	0.46
6	3.08	3.685	0.288	46	52	0.69
10	1.83	2.190	0.269	63	69	1.15
16	1.15	1.376	0.255	83	90	1.84
25	0.727	0.870	0.255	110	116	2.88
35	0.524	0.627	0.246	134	140	4.03
50	0.387	0.464	0.247	168	171	5.75
70	0.268	0.321	0.238	212	209	8.05
95	0.193	0.232	0.238	259	250	10.93
120	0.153	0.184	0.233	299	284	13.80
150	0.124	0.150	0.233	342	317	17.25
185	0.0991	0.121	0.233	391	357	21.28
240	0.0754	0.093	0.232	457	409	27.60
300	0.0601	0.075	0.231	519	457	34.50

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

NYRY 4 x (1.5-300) mm² 0.6/1 kV

Cu / PVC / SWA / PVC

(Copper Conductor, PVC Insulated, Galvanized Steel Wire Armor, PVC Sheathed)
Standard Specification : IEC 60502-1

Construction Data

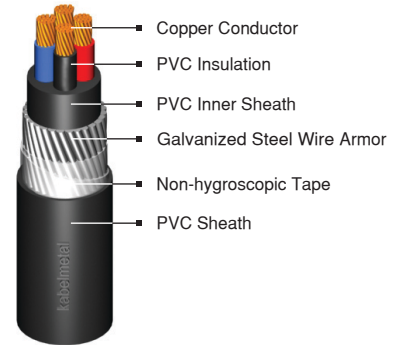
Nom. Cross Section Area	Overall Diameter	Cable Weight
	approx.	approx.
mm ²	mm	kg/km
1.5	15.4	425
2.5	16.5	509
4	19.6	767
6	21.0	904
10	23.5	1,179
16	27.0	1,657
25	30.5	2,236
35	33.5	2,768
50	40.0	3,639
70	43.0	4,592
95	50.0	6,338
120	54.0	7,547
150	60.5	9,073
185	65.0	10,835
240	72.0	13,543
300	78.0	16,333

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

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 - 50 sqmm supplied in wooden drum @ 1000 m
70 - 300 sqmm will be supplied in wooden drum on available length
Length Tolerance per drum ± 2%

Electrical Data

Nom. Cross Sect. (mm ²)	Conductor		Inductance (mH/km)	Current - Carrying Capacity at 30°C *		Short circuit current at 1 sec (kA)
	DC Resistance at 20°C (Ω/km)	AC Resistance at 70°C (Ω/km)		in air (A)	in ground (A)	
1.5	12.1	14.478	0.328	23	28	0.17
2.5	7.41	8.866	0.304	31	36	0.29
4	4.61	5.516	0.303	42	48	0.46
6	3.08	3.685	0.288	53	59	0.69
10	1.83	2.190	0.269	72	79	1.15
16	1.15	1.376	0.255	96	102	1.84
25	0.727	0.870	0.255	128	132	2.88
35	0.524	0.627	0.246	156	157	4.03
50	0.387	0.464	0.247	180	176	5.75
70	0.268	0.321	0.238	224	215	8.05
95	0.193	0.232	0.238	277	258	10.93
120	0.153	0.184	0.233	318	292	13.80
150	0.124	0.150	0.233	366	328	17.25
185	0.0991	0.121	0.233	413	365	21.28
240	0.0754	0.093	0.232	485	420	27.60
300	0.0601	0.075	0.231	550	468	34.50

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

NYRY 5 x (1.5-50) mm² 0.6/1 kV Cu / PVC / SWA / PVC

(Copper Conductor, PVC Insulated, Galvanized Steel Wire Armor, PVC Sheathed)
Standard Specification : IEC 60502-1

Construction Data

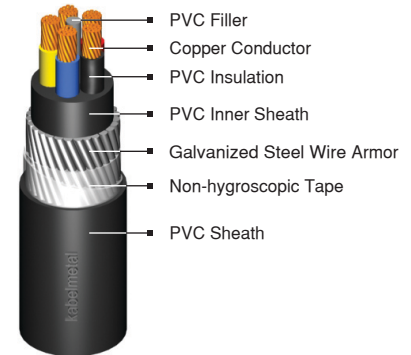
Nom. Cross Section Area	Overall Diameter	Cable Weight
	approx.	approx.
mm ²	mm	kg/km
1.5	16.3	482
2.5	17.6	581
4	21.0	882
6	22.5	1,055
10	26.0	1,515
16	29.0	1,945
25	33.0	2,649
35	37.5	3,538
50	42.5	4,437

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

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 - 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		Inductance (mH/km)	Current - Carrying Capacity at 30°C *		Short circuit current at 1 sec Max. (kA)
	DC Resistance at 20°C Max. (Ω/km)	AC Resistance at 70°C Max. (Ω/km)		in air Max. (A)	in ground Max. (A)	
1.5	12.1	14.478	0.328	24	28	0.17
2.5	7.41	8.866	0.304	32	37	0.29
4	4.61	5.516	0.303	43	49	0.46
6	3.08	3.685	0.288	55	60	0.69
10	1.83	2.190	0.269	75	80	1.15
16	1.15	1.376	0.255	99	104	1.84
25	0.727	0.870	0.255	132	133	2.88
35	0.524	0.627	0.246	163	160	4.03
50	0.387	0.464	0.247	197	188	5.75

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