

NYCY 1 x (1.5-800) mm² 0.6/1 kV

Cu / PVC / CWS / PVC

(Copper Conductor, PVC Insulated, Copper Wire Screen, PVC Sheathed)

Standard Specification : SNI IEC 60502-1 : 2009, IEC 60502-1 : 2004 / AMD1 : 2009

Construction Data

Nom. Cross Section Area	Overall Diameter	Cable Weight
	approx.	approx.
mm ²	mm	kg/km
1.5 / 1.5	9.9	121
2.5 / 2.5	10.4	143
4 / 4	11.4	188
6 / 6	11.9	233
10 / 10	12.9	324
16 / 16	14.4	456
25 / 16	16.1	582
35 / 16	17.2	687
50 / 25	19.7	943
70 / 35	22.0	1,259
95 / 50	24.5	1,678
120 / 70	27.0	2,122
150 / 70	28.5	2,410
185 / 95	31.5	3,049
240 / 120	35.0	3,898
300 / 150	38.0	4,778
400 / 185	43.0	6,031
500 / 240	47.5	7,689
630 / 300	52.5	9,778
800 / 400	58.5	12,427

Application :

For installation in the ground, indoors, cable trunking and outdoors if subsequent mechanical damage is likely. For urban networks, household feeders and street lighting.

Special Features on Request :

- Tin Coated Copper Conductor
- 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

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 - 800 sqmm supplied in non compacted circular stranded (rm) or compacted circular stranded (cm) conductor shape

Tin Coated Copper Conductor

Electrical properties for tin coated copper conductor will be submitted upon request

Standard Packing

1.5 - 240 sqmm supplied in wooden drum @ 1000 m
 300 - 800 sqmm 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 @ 20°C	AC Resistance @ 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)
1.5 / 1.5	12.1	14.478	0.568	0.834	24	27	29	29	0.17
2.5 / 2.5	7.41	8.866	0.527	0.793	31	35	39	38	0.29
4 / 4	4.61	5.516	0.496	0.762	41	45	51	49	0.46
6 / 6	3.08	3.685	0.467	0.733	52	56	65	61	0.69
10 / 10	1.83	2.190	0.430	0.696	71	75	88	82	1.15
16 / 16	1.15	1.376	0.405	0.671	94	98	117	107	1.84
25 / 16	0.727	0.870	0.380	0.646	123	125	153	137	2.88
35 / 16	0.524	0.627	0.361	0.627	150	150	186	164	4.03
50 / 25	0.387	0.463	0.350	0.616	184	178	227	196	5.75
70 / 35	0.268	0.321	0.335	0.601	232	219	287	241	8.05
95 / 50	0.193	0.232	0.328	0.594	287	263	354	291	10.93
120 / 70	0.153	0.184	0.321	0.587	335	300	414	333	13.80
150 / 70	0.124	0.150	0.314	0.580	382	337	471	375	17.25
185 / 95	0.0991	0.120	0.309	0.575	438	379	541	424	21.28
240 / 120	0.0754	0.092	0.303	0.569	521	438	646	496	27.60
300 / 150	0.0601	0.075	0.299	0.565	593	489	742	561	34.50
400 / 185	0.0470	0.060	0.297	0.563	683	548	863	642	41.20
500 / 240	0.0366	0.048	0.293	0.559	779	609	1005	734	51.50
630 / 300	0.0283	0.039	0.285	0.551	880	670	1175	840	64.89
800 / 400	0.0221	0.033	0.285	0.551	974	722	1347	946	82.40

* Flat Formation spacing 2 times overall diameter of cable

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

NYCY 2 x (1.5-300) mm² 0.6/1 kV

Cu / PVC / CWS / PVC

(Copper Conductor, PVC Insulated, Copper Wire Screen, PVC Sheathed)

Standard Specification : SNI IEC 60502-1 : 2009, IEC 60502-1 : 2004 / AMD1 : 2009

Construction Data

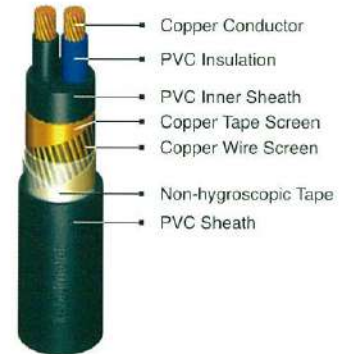
Nom. Cross Section Area	Overall Diameter	Cable Weight
	approx.	approx.
mm ²	mm	kg/km
1.5 / 1.5	13.4	214
2.5 / 2.5	14.3	258
4 / 4	16.3	351
6 / 6	17.4	436
10 / 10	19.4	607
16 / 16	22.0	837
25 / 16	25.0	1,115
35 / 16	27.5	1,379
50 / 25	31.0	1,754
70 / 35	34.5	2,368
95 / 50	39.5	3,224
120 / 70	43.5	4,005
150 / 70	47.5	4,745
185 / 95	52.5	5,974
240 / 120	59.5	7,666
300 / 150	65.5	9,478

Application :

For installation in the ground, indoors, cable trunking and outdoors if subsequent mechanical damage is likely. For urban networks, household feeders and street lighting.

Special Features on Request :

- Tin Coated Copper Conductor
- 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

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

Tin Coated Copper Conductor

Electrical properties for tin coated copper conductor will be submitted upon request

Standard Packing

1.5 - 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. (mm ²)	Conductor		Inductance (mH/km)	Current - Carrying Capacity at 30°C *		Short circuit current of conductor at 1 sec (kA)
	DC Resistance at 20°C	AC Resistance at 70°C		in air	in ground	
1.5 / 1.5	12.1	14.478	0.328	24	28	0.17
2.5 / 2.5	7.41	8.866	0.304	31	37	0.29
4 / 4	4.61	5.516	0.303	42	48	0.46
6 / 6	3.08	3.685	0.288	53	60	0.69
10 / 10	1.83	2.190	0.269	72	81	1.15
16 / 16	1.15	1.376	0.255	96	106	1.84
25 / 16	0.727	0.870	0.255	126	136	2.88
35 / 16	0.524	0.627	0.246	154	164	4.03
50 / 25	0.387	0.464	0.247	187	194	5.75
70 / 35	0.268	0.321	0.238	234	239	8.05
95 / 50	0.193	0.232	0.238	285	284	10.93
120 / 70	0.153	0.184	0.233	332	324	13.80
150 / 70	0.124	0.150	0.233	377	362	17.25
185 / 95	0.0991	0.121	0.233	429	405	21.28
240 / 120	0.0754	0.093	0.232	503	466	27.60
300 / 150	0.0601	0.075	0.231	568	517	34.50

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

NYCY 3 x (1.5-300) mm² 0.6/1 kV

Cu / PVC / CWS / PVC

(Copper Conductor, PVC Insulated, Copper Wire Screen, PVC Sheathed)

Standard Specification : SNI IEC 60502-1 : 2009, IEC 60502-1 : 2004 / AMD1 : 2009

Construction Data

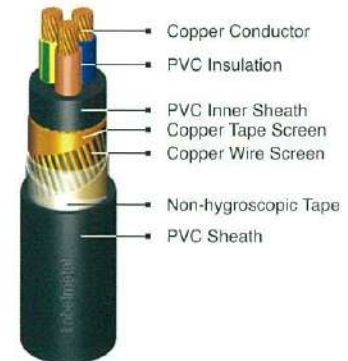
Nom. Cross Section Area	Overall Diameter	Cable Weight
	approx.	approx.
mm ²	mm	kg/km
1.5 / 1.5	13.9	242
2.5 / 2.5	14.9	298
4 / 4	17.0	405
6 / 6	18.2	509
10 / 10	20.5	719
16 / 16	23.0	1,001
25 / 16	26.5	1,365
35 / 16	29.0	1,716
50 / 25	32.5	2,089
70 / 35	35.5	2,856
95 / 50	40.5	3,865
120 / 70	44.0	4,787
150 / 70	48.5	5,742
185 / 95	53.5	7,177
240 / 120	60.0	9,295
300 / 150	66.0	11,468

Application :

For installation in the ground, indoors, cable trunking and outdoors if subsequent mechanical damage is likely. For urban networks, household feeders and street lighting.

Special Features on Request :

- Tin Coated Copper Conductor
- 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

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

Tin Coated Copper Conductor

Electrical properties for tin coated copper conductor will be submitted upon request

Standard Packing

1.5 - 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 (mH/km)	Current - Carrying Capacity at 30°C *		Short circuit current of conductor 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 / 1.5	12.1	14.478	0.328	20	24	0.17
2.5 / 2.5	7.41	8.866	0.304	27	31	0.29
4 / 4	4.61	5.516	0.303	35	41	0.46
6 / 6	3.08	3.685	0.288	45	51	0.69
10 / 10	1.83	2.190	0.269	61	69	1.15
16 / 16	1.15	1.376	0.255	82	90	1.84
25 / 16	0.727	0.870	0.255	108	115	2.88
35 / 16	0.524	0.627	0.246	132	139	4.03
50 / 25	0.387	0.464	0.247	167	171	5.75
70 / 35	0.268	0.321	0.238	208	208	8.05
95 / 50	0.193	0.232	0.238	255	250	10.93
120 / 70	0.153	0.184	0.233	296	284	13.80
150 / 70	0.124	0.150	0.233	337	317	17.25
185 / 95	0.0991	0.121	0.233	386	356	21.28
240 / 120	0.0754	0.093	0.232	454	409	27.60
300 / 150	0.0601	0.075	0.231	516	456	34.50

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

NYCY 4 x (1.5-300) mm² 0.6/1 kV

Cu / PVC / CWS / PVC

(Copper Conductor, PVC Insulated, Copper Wire Screen, PVC Sheathed)

Standard Specification : SNI IEC 60502-1 : 2009, IEC 60502-1 : 2004 / AMD1 : 2009

Construction Data

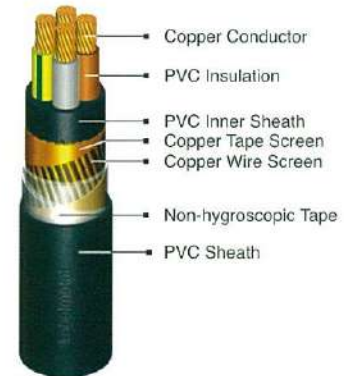
Nom. Cross Section Area	Overall Diameter	Cable Weight
	approx.	approx.
mm ²	mm	kg/km
1.5 / 1.5	14.8	275
2.5 / 2.5	15.9	344
4 / 4	18.3	474
6 / 6	19.6	600
10 / 10	22.0	863
16 / 16	25.0	1,207
25 / 16	29.0	1,674
35 / 16	31.0	2,120
50 / 25	37.0	2,686
70 / 35	40.5	3,628
95 / 50	46.5	4,923
120 / 70	51.0	6,128
150 / 70	57.5	7,406
185 / 95	62.0	9,227
240 / 120	69.5	11,890
300 / 150	76.0	14,669

Application :

For installation in the ground, indoors, cable trunking and outdoors if subsequent mechanical damage is likely. For urban networks, household feeders and street lighting.

Special Features on Request :

- Tin Coated Copper Conductor
- 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

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

Tin Coated Copper Conductor

Electrical properties for tin coated copper conductor will be submitted upon request

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.	Conductor		Inductance	Current - Carrying Capacity at 30°C *		Short circuit current of conductor at 1 sec
	DC Resistance at 20°C	AC Resistance at 70°C		in air	in ground	
	Max. (Ω/km)	Max. (Ω/km)		Max. (A)	Max. (A)	
(mm ²)			(mH/km)			Max. (kA)
1.5 / 1.5	12.1	14.478	0.328	23	28	0.17
2.5 / 2.5	7.41	8.866	0.304	30	36	0.29
4 / 4	4.61	5.516	0.303	41	47	0.46
6 / 6	3.08	3.685	0.288	52	59	0.69
10 / 10	1.83	2.190	0.269	70	78	1.15
16 / 16	1.15	1.376	0.255	93	101	1.84
25 / 16	0.727	0.870	0.255	125	130	2.88
35 / 16	0.524	0.627	0.246	152	156	4.03
50 / 25	0.387	0.464	0.247	176	175	5.75
70 / 35	0.268	0.321	0.238	220	214	8.05
95 / 50	0.193	0.232	0.238	272	257	10.93
120 / 70	0.153	0.184	0.233	315	292	13.80
150 / 70	0.124	0.150	0.233	363	328	17.25
185 / 95	0.0991	0.121	0.233	410	366	21.28
240 / 120	0.0754	0.093	0.232	484	421	27.60
300 / 150	0.0601	0.075	0.231	550	469	34.50

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

NYCY 5 x (1.5-50) mm² 0.6/1 kV

Cu / PVC / CWS / PVC

(Copper Conductor, PVC Insulated, Copper Wire Screen, PVC Sheathed)

Standard Specification : SNI IEC 60502-1 : 2009, IEC 60502-1 : 2004 / AMD1 : 2009

Construction Data

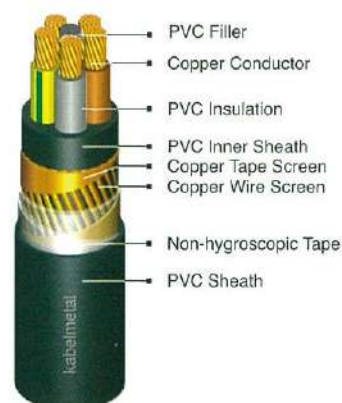
Nom. Cross Section Area	Overall Diameter	Cable Weight
	approx.	approx.
mm ²	mm	kg/km
1.5 / 1.5	15.7	323
2.5 / 2.5	17.0	401
4 / 4	19.6	560
6 / 6	21.5	712
10 / 10	24.0	1,020
16 / 16	27.0	1,431
25 / 16	31.5	2,007
35 / 16	34.0	2,576
50 / 25	39.5	3,380

Application :

For installation in the ground, indoors, cable trunking and outdoors if subsequent mechanical damage is likely. For urban networks, household feeders and street lighting.

Special Features on Request :

- Tin Coated Copper Conductor
- 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

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

Tin Coated Copper Conductor

Electrical properties for tin coated copper conductor will be submitted upon request

Standard Packing

1.5 - 50 sqmm supplied in wooden drum @ 1000 m
Length Tolerance per drum ± 2%

Electrical Data

Nom. Cross Sect.	Conductor		Inductance	Current - Carrying Capacity at 30°C *		Short circuit current of conductor at 1 sec
	DC Resistance at 20°C	AC Resistance at 70°C		in air	in ground	
	Max. (Ω/km)	Max. (Ω/km)		Max. (A)	Max. (A)	
(mm ²)			(mH/km)			Max. (kA)
1.5 / 1.5	12.1	14.478	0.328	24	28	0.17
2.5 / 2.5	7.41	8.866	0.304	31	37	0.29
4 / 4	4.61	5.516	0.303	42	48	0.46
6 / 6	3.08	3.685	0.288	53	60	0.69
10 / 10	1.83	2.190	0.269	73	79	1.15
16 / 16	1.15	1.376	0.255	97	103	1.84
25 / 16	0.727	0.870	0.255	129	132	2.88
35 / 16	0.524	0.627	0.246	158	158	4.03
50 / 25	0.387	0.464	0.247	192	186	5.75

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