

N2XCY 1 x (1.5-800) mm² 0.6/1 kV

Cu / XLPE / CWS / PVC

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

Construction Data

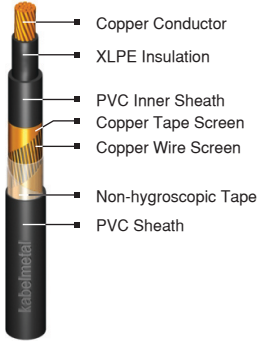
Nom. Cross Section Area	Overall Diameter	Cable Weight
	approx.	approx.
mm²	mm	kg/km
1.5 / 1.5	9.7	114
2.5 / 2.5	10.2	135
4 / 4	10.8	170
6 / 6	11.3	214
10 / 10	12.4	304
16 / 16	13.8	431
25 / 16	15.5	548
35 / 16	16.6	650
50 / 25	18.8	892
70 / 35	21.0	1,207
95 / 50	23.5	1,600
120 / 70	26.0	2,045
150 / 70	28.0	2,320
185 / 95	30.5	2,942
240 / 120	34.0	3,761
300 / 150	37.0	4,591
400 / 185	41.5	5,830
500 / 240	46.0	7,450
630 / 300	52.0	9,561
800 / 400	58.0	12,290

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

- Fire Resistance
- 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

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

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 of conductor at 1 sec
Nom. Cross Sect.	DC Resistance at 20°C	AC Resistance at 90°C	Trefoil formation 	Flat formation 					
					in air	in ground	in air	in ground	
					Max. (A)	Max. (A)	Max. (A)	Max. (A)	
(mm²)	Max. (Ω/km)	Max. (Ω/km)	(mH/km)	(mH/km)					Max. (kA)
1.5 / 1.5	12.1	15.429	0.551	0.597	29	33	30	34	0.21
2.5 / 2.5	7.41	9.449	0.510	0.557	39	43	40	44	0.36
4 / 4	4.61	5.878	0.474	0.520	51	55	52	57	0.57
6 / 6	3.08	3.927	0.446	0.492	64	69	66	71	0.86
10 / 10	1.83	2.333	0.413	0.459	87	92	90	95	1.43
16 / 16	1.15	1.466	0.390	0.436	116	118	119	122	2.29
25 / 16	0.727	0.927	0.365	0.411	154	153	158	157	3.58
35 / 16	0.524	0.668	0.348	0.394	188	183	193	188	5.01
50 / 25	0.387	0.494	0.336	0.383	230	217	236	223	7.15
70 / 35	0.268	0.342	0.323	0.369	289	265	297	271	10.01
95 / 50	0.193	0.247	0.313	0.360	355	316	363	322	13.59
120 / 70	0.153	0.196	0.310	0.356	412	357	419	361	17.16
150 / 70	0.124	0.159	0.304	0.351	468	398	476	402	21.45
185 / 95	0.0991	0.128	0.300	0.346	536	444	540	445	26.46
240 / 120	0.0754	0.098	0.292	0.338	625	503	625	499	34.32
300 / 150	0.0601	0.079	0.287	0.333	703	552	698	543	42.90
400 / 185	0.0470	0.063	0.287	0.334	791	602	780	588	57.20
500 / 240	0.0366	0.051	0.283	0.330	881	651	867	634	71.50
630 / 300	0.0283	0.041	0.280	0.326	983	703	969	685	90.09
800 / 400	0.0221	0.035	0.279	0.325	1085	754	1081	743	114.40

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

N2XCY 2 x (1.5-300) mm² 0.6/1 kV

Cu / XLPE / CWS / PVC

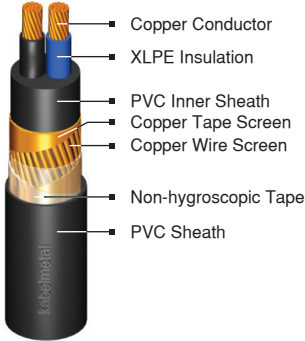
(Copper Conductor, XLPE Insulated, Copper Wire Screen, PVC Sheathed)
Standard Specification : IEC 60502-1

Construction Data

Nom. Cross Section Area	Overall Diameter	Cable Weight
	approx.	approx.
mm²	mm	kg/km
1.5 / 1.5	13.0	198
2.5 / 2.5	13.9	239
4 / 4	15.0	304
6 / 6	16.2	384
10 / 10	18.1	546
16 / 16	21.0	766
25 / 16	24.0	1,030
35 / 16	26.0	1,283
50 / 25	29.5	1,631
70 / 35	33.0	2,247
95 / 50	37.5	3,028
120 / 70	42.0	3,817
150 / 70	46.0	4,526
185 / 95	51.0	5,694
240 / 120	57.0	7,302
300 / 150	63.0	9,049

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**
- Fire Resistance
 - 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
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 - 120 sqmm supplied in wooden drum @ 1000 m
150 - 300 sqmm will be supplied in wooden drum on available length
Length Tolerance per drum $\pm 2\%$

Electrical Data

Conductor			Inductance	Current - Carrying Capacity at 30°C *		Short circuit current of conductor at 1 sec
Nom. Cross Sect.	DC Resistance at 20°C	AC Resistance at 90°C		in air	in ground	
(mm²)			(mH/km)			(kA)
1.5 / 1.5	12.1	15.429	0.315	30	35	0.21
2.5 / 2.5	7.41	9.449	0.293	39	46	0.36
4 / 4	4.61	5.878	0.275	52	60	0.57
6 / 6	3.08	3.927	0.263	66	75	0.86
10 / 10	1.83	2.334	0.248	90	100	1.43
16 / 16	1.15	1.467	0.238	120	131	2.29
25 / 16	0.727	0.927	0.240	159	168	3.58
35 / 16	0.524	0.669	0.233	195	203	5.01
50 / 25	0.387	0.494	0.232	238	241	7.15
70 / 35	0.268	0.342	0.229	299	295	10.01
95 / 50	0.193	0.247	0.224	365	352	13.59
120 / 70	0.153	0.196	0.223	425	400	17.16
150 / 70	0.124	0.160	0.224	484	448	21.45
185 / 95	0.0991	0.128	0.225	552	502	26.46
240 / 120	0.0754	0.099	0.223	650	578	34.32
300 / 150	0.0601	0.080	0.221	736	643	42.90

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

N2XCY 3 x (1.5-300) mm² 0.6/1 kV

Cu / XLPE / CWS / PVC

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

Construction Data

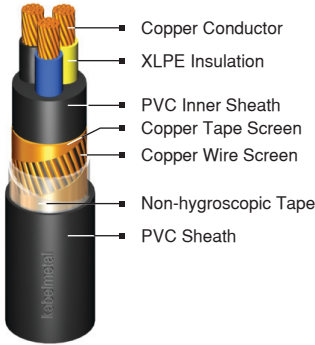
Nom. Cross Section Area	Overall Diameter	Cable Weight
	approx.	approx.
mm ²	mm	kg/km
1.5 / 1.5	13.5	218
2.5 / 2.5	14.5	270
4 / 4	15.7	348
6 / 6	16.9	446
10 / 10	19.0	645
16 / 16	22.0	916
25 / 16	25.0	1,260
35 / 16	27.5	1,597
50 / 25	30.0	1,919
70 / 35	34.0	2,697
95 / 50	37.5	3,608
120 / 70	41.5	4,531
150 / 70	46.5	5,459
185 / 95	51.0	6,820
240 / 120	57.5	8,834
300 / 150	62.5	10,899

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

- Fire Resistance
- 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

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 - 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			Inductance	Current - Carrying Capacity at 30°C *		Short circuit current of conductor 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)
1.5 / 1.5	12.1	15.429	0.315	25	29	0.21
2.5 / 2.5	7.41	9.449	0.293	33	38	0.36
4 / 4	4.61	5.878	0.275	44	50	0.57
6 / 6	3.08	3.927	0.263	56	63	0.86
10 / 10	1.83	2.334	0.248	76	84	1.43
16 / 16	1.15	1.467	0.238	102	110	2.29
25 / 16	0.727	0.927	0.240	135	141	3.58
35 / 16	0.524	0.669	0.233	166	170	5.01
50 / 25	0.387	0.494	0.232	207	207	7.15
70 / 35	0.268	0.342	0.229	258	251	10.01
95 / 50	0.193	0.247	0.224	317	302	13.59
120 / 70	0.153	0.196	0.223	369	343	17.16
150 / 70	0.124	0.160	0.224	421	383	21.45
185 / 95	0.0991	0.128	0.225	484	431	26.46
240 / 120	0.0754	0.099	0.223	570	495	34.32
300 / 150	0.0601	0.080	0.221	648	552	42.90

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

N2XCY 4 x (1.5-300) mm² 0.6/1 kV

Cu / XLPE / CWS / PVC

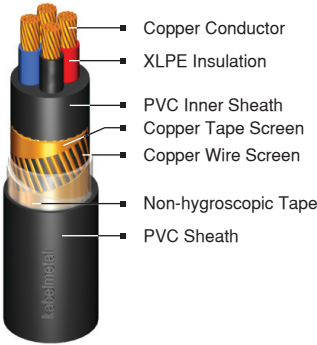
(Copper Conductor, XLPE Insulated, Copper Wire Screen, PVC Sheathed)
Standard Specification : IEC 60502-1

Construction Data

Nom. Cross Section Area	Overall Diameter	Cable Weight
	approx.	approx.
mm²	mm	kg/km
1.5 / 1.5	14.3	250
2.5 / 2.5	15.4	315
4 / 4	16.8	406
6 / 6	18.1	523
10 / 10	20.5	772
16 / 16	23.5	1,100
25 / 16	27.5	1,541
35 / 16	30.0	1,976
50 / 25	33.5	2,428
70 / 35	38.5	3,418
95 / 50	42.5	4,583
120 / 70	48.0	5,807
150 / 70	54.0	6,992
185 / 95	58.5	8,704
240 / 120	65.5	11,283
300 / 150	71.5	13,920

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**
- Fire Resistance
 - 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
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

Conductor			Inductance	Current - Carrying Capacity at 30°C *		Short circuit current of conductor at 1 sec
Nom. Cross Sect.	DC Resistance at 20°C	AC Resistance at 90°C		in air	in ground	
(mm²)			(mH/km)			
1.5 / 1.5	12.1	15.429	0.315	28	32	0.21
2.5 / 2.5	7.41	9.449	0.293	37	42	0.36
4 / 4	4.61	5.878	0.275	48	55	0.57
6 / 6	3.08	3.927	0.263	61	68	0.86
10 / 10	1.83	2.334	0.248	84	91	1.43
16 / 16	1.15	1.467	0.238	112	118	2.29
25 / 16	0.727	0.927	0.240	150	153	3.58
35 / 16	0.524	0.669	0.233	185	184	5.01
50 / 25	0.387	0.494	0.232	217	211	7.15
70 / 35	0.268	0.342	0.229	271	257	10.01
95 / 50	0.193	0.247	0.224	335	309	13.59
120 / 70	0.153	0.196	0.223	389	350	17.16
150 / 70	0.124	0.160	0.224	451	395	21.45
185 / 95	0.0991	0.128	0.225	512	442	26.46
240 / 120	0.0754	0.099	0.223	603	508	34.32
300 / 150	0.0601	0.080	0.221	685	566	42.90

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

N2XCY 5 x (1.5-50) mm² 0.6/1 kV

Cu / XLPE / CWS / PVC

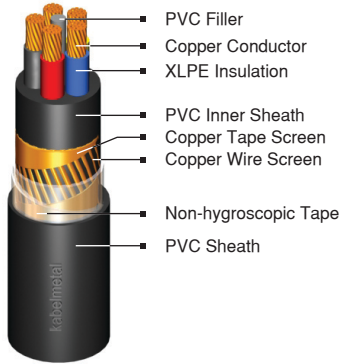
(Copper Conductor, XLPE Insulated, Copper Wire Screen, PVC Sheathed)
Standard Specification : IEC 60502-1

Construction Data

Nom. Cross Section Area	Overall Diameter	Cable Weight
	approx.	approx.
mm ²	mm	kg/km
1.5 / 1.5	15.2	291
2.5 / 2.5	16.4	365
4 / 4	17.9	476
6 / 6	19.5	617
10 / 10	22.5	909
16 / 16	25.5	1,300
25 / 16	29.5	1,844
35 / 16	32.5	2,390
50 / 25	37.0	3,120

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**
- Fire Resistance
 - 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
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 - 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 of conductor at 1 sec
Nom. Cross Sect.	DC Resistance at 20°C	AC Resistance at 90°C		in air	in ground	
(mm²)			(mH/km)			
1.5 / 1.5	12.1	15.429	0.315	29	33	0.21
2.5 / 2.5	7.41	9.449	0.293	38	43	0.36
4 / 4	4.61	5.878	0.275	50	56	0.57
6 / 6	3.08	3.927	0.263	63	70	0.86
10 / 10	1.83	2.334	0.248	87	93	1.43
16 / 16	1.15	1.467	0.238	116	120	2.29
25 / 16	0.727	0.927	0.240	156	156	3.58
35 / 16	0.524	0.669	0.233	191	186	5.01
50 / 25	0.387	0.494	0.232	231	218	7.15

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