

N2XSY 1 x (1.5-800) mm² 0.6/1 kV

Cu / XLPE / CTS / PVC

(Copper Conductor, XLPE Insulated, Copper Tape 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	8.6	103
2.5	9.1	120
4	9.6	143
6	10.2	170
10	11.1	223
16	12.1	291
25	14.0	415
35	15.1	519
50	16.8	677
70	18.7	898
95	21.0	1,152
120	22.5	1,403
150	24.5	1,683
185	27.0	2,088
240	30.0	2,682
300	32.5	3,234
400	36.5	4,143
500	40.5	5,263
630	45.5	6,794
800	50.5	8,532

Application :

For power plants and switchgear as well as for installation of sub-station; for installation indoors in confined spaces and cable channels because of small bending radius. As buried cable, because of its light weight preferred in where installation is difficult.

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
- Nylon Coated



- Copper Conductor
- XLPE Insulation
- PVC Inner Sheath
- Copper Tape Screen
- Non-hygroscopic Tape
- PVC Sheath

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 - 300 sqmm supplied in wooden drum @ 1000 m

400 - 800 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	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	12.1	15.429	0.526	0.572	28	32	29	33	0.21
2.5	7.41	9.449	0.487	0.533	37	42	38	43	0.36
4	4.61	5.878	0.451	0.498	49	54	50	56	0.57
6	3.08	3.927	0.425	0.471	62	68	63	70	0.86
10	1.83	2.333	0.390	0.437	84	90	86	93	1.43
16	1.15	1.466	0.364	0.410	110	116	113	120	2.29
25	0.727	0.927	0.344	0.390	148	150	152	155	3.58
35	0.524	0.668	0.328	0.374	181	180	186	186	5.01
50	0.387	0.494	0.313	0.360	221	214	227	221	7.15
70	0.268	0.342	0.301	0.347	279	263	287	270	10.01
95	0.193	0.247	0.289	0.335	343	315	353	324	13.59
120	0.153	0.196	0.282	0.328	399	358	410	368	17.16
150	0.124	0.160	0.278	0.325	457	402	470	412	21.45
185	0.0991	0.128	0.274	0.320	530	455	546	466	26.46
240	0.0754	0.099	0.266	0.312	632	527	650	539	34.32
300	0.0601	0.080	0.261	0.307	728	594	749	606	42.90
400	0.0470	0.064	0.261	0.308	846	670	868	684	57.20
500	0.0366	0.052	0.257	0.304	979	755	1003	768	71.50
630	0.0283	0.043	0.253	0.299	1128	845	1153	858	90.09
800	0.0221	0.036	0.251	0.298	1274	931	1299	942	114.40

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

N2XSY 2 x (1.5-300) mm² 0.6/1 kV

Cu / XLPE / CTS / PVC

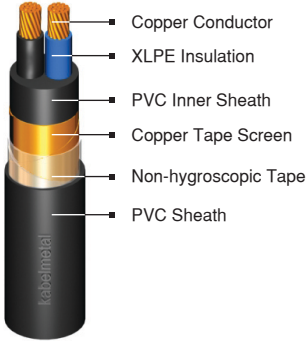
(Copper Conductor, XLPE Insulated, Copper Tape Screen, PVC Sheathed)
Standard Specification : IEC 60502-1

Construction Data

Nom. Cross Section Area	Overall Diameter	Cable Weight
	approx.	approx.
mm²	mm	kg/km
1.5	11.8	188
2.5	12.8	229
4	13.9	285
6	15.0	350
10	16.9	479
16	19.0	643
25	22.5	913
35	24.5	1,171
50	27.5	1,438
70	31.5	1,961
95	35.5	2,621
120	39.0	3,218
150	43.0	3,934
185	48.0	4,887
240	53.5	6,261
300	59.0	7,740

Application :
For power plants and switchgear as well as for installation of sub-station; for installation indoors in confined spaces and cable channels because of small bending radius. As buried cable, because of its light weight preferred in where installation is difficult.

- 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
 - Nylon Coated



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 - 150 sqmm supplied in wooden drum @ 1000 m
185 - 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 90°C		in air	in ground	
	Max. (Ω/km)	Max. (Ω/km)		Max. (A)	Max. (A)	
(mm²)			(mH/km)			Max. (kA)
1.5	12.1	15.429	0.315	29	34	0.21
2.5	7.41	9.449	0.293	38	45	0.36
4	4.61	5.878	0.275	51	59	0.57
6	3.08	3.927	0.263	64	74	0.86
10	1.83	2.334	0.248	88	99	1.43
16	1.15	1.467	0.238	117	129	2.29
25	0.727	0.927	0.240	156	167	3.58
35	0.524	0.669	0.233	192	201	5.01
50	0.387	0.494	0.232	232	238	7.15
70	0.268	0.342	0.229	294	294	10.01
95	0.193	0.247	0.224	359	350	13.59
120	0.153	0.196	0.223	417	399	17.16
150	0.124	0.160	0.224	477	448	21.45
185	0.0991	0.128	0.225	547	504	26.46
240	0.0754	0.099	0.223	647	583	34.32
300	0.0601	0.080	0.221	739	655	42.90

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

N2XSY 3 x (1.5-300) mm² 0.6/1 kV

Cu / XLPE / CTS / PVC

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

Construction Data

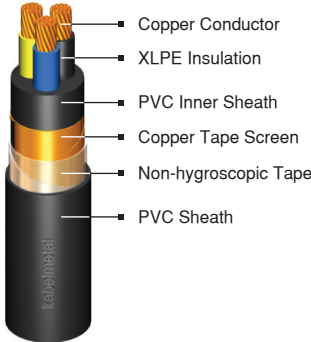
Nom. Cross Section Area	Overall Diameter	Cable Weight
	approx.	approx.
mm²	mm	kg/km
1.5	12.3	210
2.5	13.3	261
4	14.5	332
6	15.7	414
10	17.8	581
16	20.5	795
25	23.5	1,146
35	26.0	1,488
50	28.0	1,726
70	32.0	2,411
95	35.5	3,200
120	39.0	3,948
150	43.5	4,866
185	48.5	6,010
240	54.0	7,791
300	59.0	9,587

Application :

For power plants and switchgear as well as for installation of sub-station; for installation indoors in confined spaces and cable channels because of small bending radius. As buried cable, because of its light weight preferred in where installation is difficult.

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
- Nylon Coated



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 - 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)			
1.5	12.1	15.429	0.315	24	29	0.21
2.5	7.41	9.449	0.293	32	38	0.36
4	4.61	5.878	0.275	43	50	0.57
6	3.08	3.927	0.263	54	62	0.86
10	1.83	2.334	0.248	75	84	1.43
16	1.15	1.467	0.238	100	109	2.29
25	0.727	0.927	0.240	132	140	3.58
35	0.524	0.669	0.233	163	169	5.01
50	0.387	0.494	0.232	201	205	7.15
70	0.268	0.342	0.229	254	250	10.01
95	0.193	0.247	0.224	311	300	13.59
120	0.153	0.196	0.223	361	340	17.16
150	0.124	0.160	0.224	414	381	21.45
185	0.0991	0.128	0.225	478	432	26.46
240	0.0754	0.099	0.223	565	499	34.32
300	0.0601	0.080	0.221	648	561	42.90

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

N2XSY 4 x (1.5-300) mm² 0.6/1 kV

Cu / XLPE / CTS / PVC

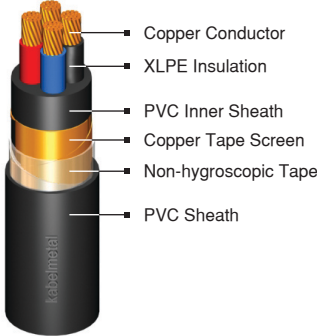
(Copper Conductor, XLPE Insulated, Copper Tape Screen, PVC Sheathed)
Standard Specification : IEC 60502-1

Construction Data

Nom. Cross Section Area	Overall Diameter	Cable Weight
	approx.	approx.
mm²	mm	kg/km
1.5	13.1	240
2.5	14.2	303
4	15.6	391
6	17.0	494
10	19.3	710
16	22.0	983
25	25.5	1,432
35	28.5	1,872
50	32.0	2,250
70	36.5	3,138
95	40.5	4,203
120	45.5	5,217
150	51.5	6,437
185	55.5	7,907
240	62.0	10,253
300	68.0	12,622

Application :
For power plants and switchgear as well as for installation of sub-station; for installation indoors in confined spaces and cable channels because of small bending radius. As buried cable, because of its light weight preferred in where installation is difficult.

- 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
 - Nylon Coated



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	12.1	15.429	0.315	27	32	0.21
2.5	7.41	9.449	0.293	36	42	0.36
4	4.61	5.878	0.275	47	54	0.57
6	3.08	3.927	0.263	60	68	0.86
10	1.83	2.334	0.248	82	91	1.43
16	1.15	1.467	0.238	109	117	2.29
25	0.727	0.927	0.240	147	152	3.58
35	0.524	0.669	0.233	181	182	5.01
50	0.387	0.494	0.232	213	210	7.15
70	0.268	0.342	0.229	268	256	10.01
95	0.193	0.247	0.224	329	307	13.59
120	0.153	0.196	0.223	382	348	17.16
150	0.124	0.160	0.224	444	394	21.45
185	0.0991	0.128	0.225	508	443	26.46
240	0.0754	0.099	0.223	600	512	34.32
300	0.0601	0.080	0.221	688	576	42.90

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

N2XSY 5 x (1.5-50) mm² 0.6/1 kV

Cu / XLPE / CTS / PVC

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

Construction Data

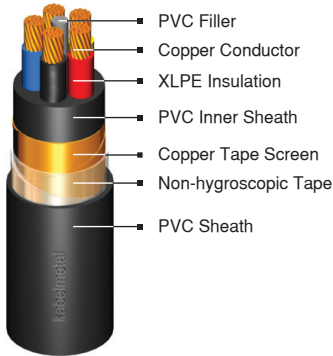
Nom. Cross Section Area	Overall Diameter approx.	Cable Weight approx.
mm²	mm	kg/km
1.5	14.0	279
2.5	15.3	355
4	16.8	464
6	18.3	590
10	21.0	851
16	24.0	1,187
25	28.0	1,740
35	31.0	2,284
50	35.5	2,949

Application :

For power plants and switchgear as well as for installation of sub-station; for installation indoors in confined spaces and cable channels because of small bending radius. As buried cable, because of its light weight preferred in where installation is difficult.

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
- Nylon Coated



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	12.1	15.429	0.315	28	33	0.21
2.5	7.41	9.449	0.293	37	43	0.36
4	4.61	5.878	0.275	49	55	0.57
6	3.08	3.927	0.263	62	69	0.86
10	1.83	2.334	0.248	85	92	1.43
16	1.15	1.467	0.238	113	119	2.29
25	0.727	0.927	0.240	153	155	3.58
35	0.524	0.669	0.233	189	186	5.01
50	0.387	0.494	0.232	229	218	7.15

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