N2XY 1 x (1.5-800) mm² 0.6/1 kV

Cu / XLPE / PVC

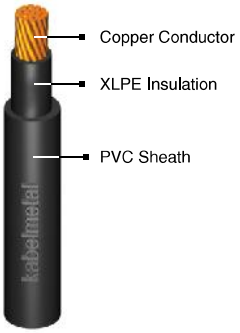
(Copper Conductor, XLPE Insulated, PVC Sheathed)

Standard Specification : SNI IEC 60502-1 : 2009

Construction Data

Nom. Cross Section Area	Overall Diameter	Cable Weight
	approx.	approx.
mm²	mm	kg/km
1.5	5.9	48
2.5	6.4	61
4	6.9	80
6	7.5	102
10	8.5	147
16	9.5	207
25	11.3	315
35	12.4	410
50	14.1	555
70	16.1	759
95	18.1	1,006
120	19.9	1,244
150	22.5	1,518
185	25.0	1,917
240	28.0	2,504
300	30.5	3,039
400	34.5	3,892
500	38.5	4,981
630	43.5	6,478
800	48.0	8,134

Application :
Power cable : Indoors, cable trunking, outdoors and burried in the ground, for power stations, industry and switchgear as well as for urban supply networks, if mechanical damage is unlikely.



Special Features on Request
- Tinned Coated Copper Conductor
- 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 - 800 sqmm supplied in non compacted circular stranded (rm) or compacted circular stranded (cm) conductor shape

Tinned Coated Copper Conductor

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

Standard Packing

1.5 - 10 sqmm supplied in coil @ 100 m
16 - 400 sqmm supplied in wooden drum @ 1000 m
500 - 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 at 20°C	AC Resistance at 90°C	Trefoil formation 	Flat formation 	in air	in ground	in air	in ground	
	Max.	Max.			Max.	Max.	Max.	Max.	Max.
(mm²)	(Ω/km)	(Ω/km)	(mH/km)	(mH/km)	(A)	(A)	(A)	(A)	(kA)
1.5	12.1	15.429	0.452	0.498	25	33	26	33	0.21
2.5	7.41	9.449	0.417	0.463	34	43	35	43	0.36
4	4.61	5.878	0.387	0.433	45	56	46	55	0.57
6	3.08	3.927	0.364	0.410	57	69	58	68	0.86
10	1.83	2.334	0.336	0.382	78	92	80	91	1.43
16	1.15	1.466	0.315	0.361	104	118	107	117	2.29
25	0.727	0.927	0.302	0.348	141	152	145	151	3.58
35	0.524	0.668	0.289	0.335	173	182	178	180	5.01
50	0.387	0.494	0.279	0.325	213	216	220	214	7.15
70	0.268	0.342	0.270	0.316	271	265	279	261	10.01
95	0.193	0.247	0.263	0.310	335	316	346	312	13.59
120	0.153	0.196	0.259	0.305	392	359	404	355	17.16
150	0.124	0.160	0.259	0.305	451	403	466	397	21.45
185	0.0991	0.128	0.258	0.304	526	455	543	449	26.46
240	0.0754	0.099	0.253	0.300	630	527	650	519	34.32
300	0.0601	0.080	0.249	0.295	728	593	751	584	42.90
400	0.0470	0.064	0.249	0.295	848	671	875	660	57.20
500	0.0366	0.052	0.246	0.292	985	757	1018	744	71.50
630	0.0283	0.043	0.243	0.289	1141	849	1179	834	90.09
800	0.0221	0.036	0.241	0.287	1295	937	1339	921	114.40

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

15701-01 Rev. 0.0 / 2014

N2XY 2 x (1.5-300) mm² 0.6/1 kV

Cu / XLPE / PVC

(Copper Conductor, XLPE Insulated, PVC Sheathed)

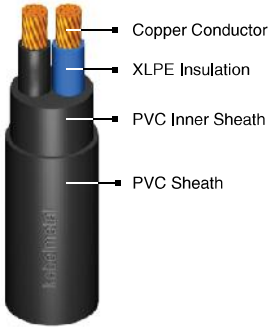
Standard Specification : SNI IEC 60502-1 : 2009

Construction Data

Nom. Cross Section Area	Overall Diameter	Cable Weight
	approx.	approx.
mm²	mm	kg/km
1.5	12.0	182
2.5	13.0	223
4	14.1	279
6	15.2	344
10	17.2	474
16	19.2	639
25	22.5	912
35	25.0	1,173
50	27.5	1,411
70	31.5	1,929
95	35.5	2,589
120	39.0	3,182
150	43.5	3,894
185	48.0	4,847
240	54.0	6,217
300	59.5	7,697

Application :
Power cable : Indoors, cable trunking, outdoors and burried in the ground, for power stations, industry and switchgear as well as for urban supply networks, if mechanical damage is unlikely.

Special Features on Request
- Tinned Coated Copper Conductor
- 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

Tinned Coated Copper Conductor
Electrical properties for tinned coated copper conductor will be submitted upon request

Standard Packing
1.5 - 150 sqmm supplied in wooden drum @ 1000 m
185 - 300 sqmm will be suplied 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 at 20°C	AC Resistance at 90°C		in air	in ground	
	Max.	Max.		Max.	Max.	Max.
(mm²)	(Ω/km)	(Ω/km)	(mH/km)	(A)	(A)	(kA)
1.5	12.1	15.429	0.315	29	34	0.21
2.5	7.41	9.449	0.293	38	44	0.36
4	4.61	5.878	0.275	50	58	0.57
6	3.08	3.927	0.263	64	73	0.86
10	1.83	2.334	0.248	88	98	1.43
16	1.15	1.467	0.238	116	128	2.29
25	0.727	0.927	0.240	154	165	3.58
35	0.524	0.669	0.233	190	199	5.01
50	0.387	0.494	0.232	230	236	7.15
70	0.268	0.342	0.229	292	292	10.01
95	0.193	0.247	0.224	356	348	13.59
120	0.153	0.196	0.223	414	397	17.16
150	0.124	0.160	0.224	474	445	21.45
185	0.0991	0.128	0.225	544	502	26.46
240	0.0754	0.099	0.223	644	582	34.32
300	0.0601	0.080	0.221	737	654	42.90

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

15701-02 Rev. 0.0 / 2014

N2XY 3 x (1.5-300) mm² 0.6/1 kV

Cu / XLPE / PVC

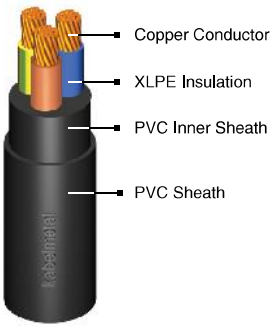
(Copper Conductor, XLPE Insulated, PVC Sheathed)

Standard Specification : SNI IEC 60502-1 : 2009

Construction Data

Nom. Cross Section Area	Overall Diameter	Cable Weight
	approx.	approx.
mm²	mm	kg/km
1.5	12.5	203
2.5	13.5	253
4	14.7	324
6	16.0	405
10	18.0	572
16	20.5	786
25	24.0	1,139
35	26.0	1,483
50	28.0	1,698
70	32.5	2,382
95	36.0	3,168
120	39.0	3,895
150	44.0	4,830
185	48.5	5,971
240	54.5	7,752
300	59.0	9,544

Application :
Power cable : Indoors, cable trunking, outdoors and burried in the ground, for power stations, industry and switchgear as well as for urban supply networks, if mechanical damage is unlikely.



Special Features on Request
- Tinned Coated Copper Conductor
- 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

Tinned Coated Copper Conductor

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

Standard Packing

1.5 - 120 sqmm supplied in wooden drum @ 1000 m
150 - 300 sqmm will be suplied 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 at 20°C	AC Resistance at 90°C		in air	in ground	
	Max.	Max.		Max.	Max.	Max.
(mm²)	(Ω/km)	(Ω/km)	(mH/km)	(A)	(A)	(kA)
1.5	12.1	15.429	0.315	21	28	0.21
2.5	7.41	9.449	0.293	32	37	0.36
4	4.61	5.878	0.275	43	49	0.57
6	3.08	3.927	0.263	54	61	0.86
10	1.83	2.334	0.248	74	83	1.43
16	1.15	1.467	0.238	99	107	2.29
25	0.727	0.927	0.240	131	139	3.58
35	0.524	0.669	0.233	162	167	5.01
50	0.387	0.494	0.232	200	203	7.15
70	0.268	0.342	0.229	252	248	10.01
95	0.193	0.247	0.224	309	298	13.59
120	0.153	0.196	0.223	359	339	17.16
150	0.124	0.160	0.224	411	379	21.45
185	0.0991	0.128	0.225	475	430	26.46
240	0.0754	0.099	0.223	562	497	34.32
300	0.0601	0.080	0.221	645	560	42.90

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

15701-03 Rev. 0.0 / 2014

N2XY 4 x (1.5-300) mm² 0.6/1 kV

Cu / XLPE / PVC

(Copper Conductor, XLPE Insulated, PVC Sheathed)

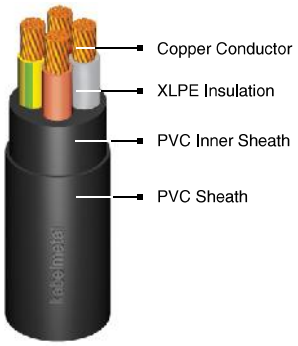
Standard Specification : SNI IEC 60502-1 : 2009

Construction Data

Nom. Cross Section Area	Overall Diameter	Cable Weight
	approx.	approx.
mm²	mm	kg/km
1.5	13.3	232
2.5	14.5	294
4	15.8	382
6	17.2	484
10	19.5	700
16	22.0	973
25	26.0	1,422
35	28.5	1,864
50	32.5	2,218
70	36.5	3,105
95	40.5	4,148
120	45.5	5,180
150	51.5	6,371
185	56.0	7,861
240	62.5	10,208
300	68.0	12,573

Application :
Power cable : Indoors, cable trunking, outdoors and burried in the ground, for power stations, industry and switchgear as well as for urban supply networks, if mechanical damage is unlikely.

Special Features on Request
- Tinned Coated Copper Conductor
- 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

Tinned Coated Copper Conductor

Electrical properties for tinned 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 suplied 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 at 20°C	AC Resistance at 90°C		in air	in ground	
	Max.	Max.		Max.	Max.	Max.
(mm²)	(Ω/km)	(Ω/km)	(mH/km)	(A)	(A)	(kA)
1.5	12.1	15.429	0.315	27	31	0.21
2.5	7.41	9.449	0.293	35	41	0.36
4	4.61	5.878	0.275	47	53	0.57
6	3.08	3.927	0.263	59	67	0.86
10	1.83	2.334	0.248	81	89	1.43
16	1.15	1.467	0.238	108	116	2.29
25	0.727	0.927	0.240	146	151	3.58
35	0.524	0.669	0.233	180	181	5.01
50	0.387	0.494	0.232	212	208	7.15
70	0.268	0.342	0.229	265	254	10.01
95	0.193	0.247	0.224	327	305	13.59
120	0.153	0.196	0.223	379	347	17.16
150	0.124	0.160	0.224	442	392	21.45
185	0.0991	0.128	0.225	504	441	26.46
240	0.0754	0.099	0.223	597	511	34.32
300	0.0601	0.080	0.221	685	576	42.90

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

N2XY 5 x (1.5-50) mm² 0.6/1 kV

Cu / XLPE / PVC

(Copper Conductor, XLPE Insulated, PVC Sheathed)

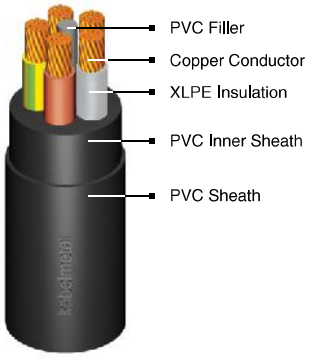
Standard Specification : SNI IEC 60502-1 : 2009

Construction Data

Nom. Cross Section Area	Overall Diameter	Cable Weight
	approx.	approx.
mm²	mm	kg/km
1.5	14.2	269
2.5	15.5	345
4	17.0	453
6	18.5	579
10	21.5	838
16	24.0	1,174
25	28.5	1,728
35	31.5	2,273
50	36.0	2,917

Application :
Power cable : Indoors, cable trunking, outdoors and burried in the ground, for power stations, industry and switchgear as well as for urban supply networks, if mechanical damage is unlikely.

Special Features on Request
- Tinned Coated Copper Conductor
- 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

Tinned Coated Copper Conductor
Electrical properties for tinned 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

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 90°C		in air	in ground	
	Max.	Max.		Max.	Max.	Max.
(mm²)	(Ω/km)	(Ω/km)	(mH/km)	(A)	(A)	(kA)
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	48	54	0.57
6	3.08	3.927	0.263	61	68	0.86
10	1.83	2.334	0.248	84	91	1.43
16	1.15	1.467	0.238	112	118	2.29
25	0.727	0.927	0.240	152	153	3.58
35	0.524	0.669	0.233	187	184	5.01
50	0.387	0.494	0.232	227	217	7.15

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

15701-05 Rev. 0.0 / 2014