

N2XB(AL)Y 1 x (16-800) mm² 0.6/1 kV

Cu / XLPE / ATA / PVC

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

Construction Data

Nom. Cross Section Area	Overall Diameter	Cable Weight
	approx.	approx.
mm²	mm	kg/km
16	15.4	386
25	15.6	460
35	16.7	567
50	18.5	731
70	20.5	957
95	22.5	1,215
120	24.0	1,472
150	26.0	1,756
185	28.5	2,168
240	31.5	2,770
300	34.5	3,345
400	38.0	4,250
500	42.5	5,380
630	47.5	6,947
800	52.5	8,702

Application :

For installation indoors, cable channels and in ground, for industry installations, switchgear, and power station, if there is a risk that low mechanical damage may occur.

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

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

16 - 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 90°C	Trefoil formation	Flat formation					
					in air	in ground	in air	in ground	
(mm²)	Max. (Ω/km)	Max. (Ω/km)	 (mH/km)	 (mH/km)	Max. (A)	Max. (A)	Max. (A)	Max. (A)	Max. (kA)
16	1.15	1.466	0.412	0.458	118	118	121	121	2.29
25	0.727	0.927	0.366	0.412	154	153	158	157	3.58
35	0.524	0.668	0.349	0.395	188	183	193	188	5.01
50	0.387	0.494	0.332	0.378	229	217	235	223	7.15
70	0.268	0.342	0.318	0.364	287	265	295	272	10.01
95	0.193	0.247	0.304	0.350	352	317	361	324	13.59
120	0.153	0.196	0.296	0.342	407	359	418	367	17.16
150	0.124	0.159	0.292	0.338	465	402	476	410	21.45
185	0.0991	0.128	0.286	0.332	537	453	549	461	26.46
240	0.0754	0.099	0.277	0.323	636	523	648	529	34.32
300	0.0601	0.080	0.272	0.318	728	585	739	590	42.90
400	0.0470	0.064	0.270	0.317	838	655	846	657	57.20
500	0.0366	0.052	0.266	0.312	960	731	964	728	71.50
630	0.0283	0.042	0.261	0.307	1092	807	1087	797	90.09
800	0.0221	0.035	0.259	0.305	1216	877	1202	858	114.40

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

N2XBY 2 x (1.5-300) mm² 0.6/1 kV

Cu / XLPE / STA / PVC

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

Construction Data

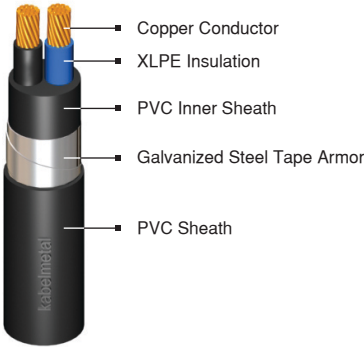
Nom. Cross Section Area	Overall Diameter	Cable Weight
	approx.	approx.
mm²	mm	kg/km
1.5	14.4	293
2.5	14.4	310
4	14.4	328
6	15.4	397
10	17.4	533
16	19.4	705
25	22.5	986
35	25.0	1,252
50	28.0	1,529
70	32.0	2,081
95	35.5	2,739
120	40.5	3,726
150	45.0	4,518
185	50.0	5,537
240	55.5	6,987
300	61.0	8,514

Application :

For installation indoors, cable channels and in ground, for industry installations, switchgear, and power station, if there is a risk that low mechanical damage may occur.

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 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	0.328	29	34	0.21
2.5	7.41	9.449	0.304	39	45	0.36
4	4.61	5.878	0.275	51	59	0.57
6	3.08	3.927	0.263	65	74	0.86
10	1.83	2.334	0.248	89	100	1.43
16	1.15	1.467	0.238	118	130	2.29
25	0.727	0.927	0.240	157	167	3.58
35	0.524	0.669	0.233	193	201	5.01
50	0.387	0.494	0.232	233	239	7.15
70	0.268	0.342	0.229	295	293	10.01
95	0.193	0.247	0.224	360	350	13.59
120	0.153	0.196	0.223	423	401	17.16
150	0.124	0.160	0.224	482	449	21.45
185	0.0991	0.128	0.225	551	505	26.46
240	0.0754	0.099	0.223	652	584	34.32
300	0.0601	0.080	0.221	744	656	42.90

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

N2XBY 3 x (1.5-300) mm² 0.6/1 kV

Cu / XLPE / STA / PVC

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

Construction Data

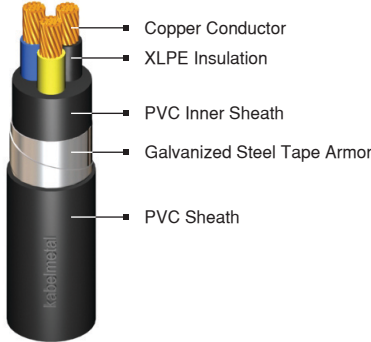
Nom. Cross Section Area	Overall Diameter	Cable Weight
	approx.	approx.
mm²	mm	kg/km
1.5	14.4	304
2.5	14.4	324
4	15.0	377
6	16.2	463
10	18.2	638
16	20.5	860
25	24.0	1,223
35	26.5	1,574
50	28.5	1,818
70	32.5	2,518
95	36.0	3,335
120	41.0	4,451
150	45.5	5,449
185	50.0	6,656
240	56.0	8,514
300	61.0	10,375

Application :

For installation indoors, cable channels and in ground, for industry installations, switchgear, and power station, if there is a risk that low mechanical damage may occur.

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 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	0.328	25	29	0.21
2.5	7.41	9.449	0.293	33	38	0.36
4	4.61	5.878	0.275	43	50	0.57
6	3.08	3.927	0.263	55	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	133	140	3.58
35	0.524	0.669	0.233	164	169	5.01
50	0.387	0.494	0.232	202	205	7.15
70	0.268	0.342	0.229	255	250	10.01
95	0.193	0.247	0.224	312	299	13.59
120	0.153	0.196	0.223	366	342	17.16
150	0.124	0.160	0.224	418	382	21.45
185	0.0991	0.128	0.225	483	433	26.46
240	0.0754	0.099	0.223	569	499	34.32
300	0.0601	0.080	0.221	652	561	42.90

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

N2XBY 4 x (1.5-300) mm² 0.6/1 kV

Cu / XLPE / STA / PVC

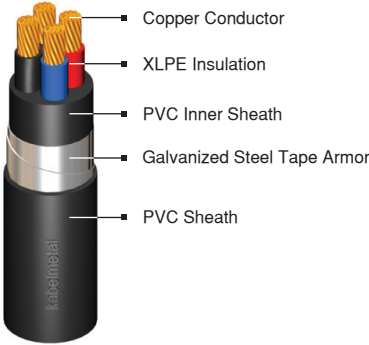
(Copper Conductor, XLPE Insulated, Galvanized Steel Tape Armor, PVC Sheathed)
Standard Specification : IEC 60502-1

Construction Data

Nom. Cross Section Area	Overall Diameter	Cable Weight
	approx.	approx.
mm²	mm	kg/km
1.5	14.4	310
2.5	14.7	347
4	16.0	440
6	17.4	548
10	19.7	773
16	22.5	1,055
25	26.0	1,517
35	29.0	1,967
50	32.5	2,356
70	37.0	3,260
95	42.5	4,727
120	47.5	5,823
150	53.5	7,104
185	57.5	8,651
240	64.0	11,087
300	69.5	13,530

Application :
For installation indoors, cable channels and in ground, for industry installations, switchgear, and power station, if there is a risk that low mechanical damage may occur.

- 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% 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	
(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	48	55	0.57
6	3.08	3.927	0.263	60	68	0.86
10	1.83	2.334	0.248	83	91	1.43
16	1.15	1.467	0.238	110	118	2.29
25	0.727	0.927	0.240	148	152	3.58
35	0.524	0.669	0.233	183	183	5.01
50	0.387	0.494	0.232	214	210	7.15
70	0.268	0.342	0.229	269	256	10.01
95	0.193	0.247	0.224	334	309	13.59
120	0.153	0.196	0.223	386	350	17.16
150	0.124	0.160	0.224	449	395	21.45
185	0.0991	0.128	0.225	512	444	26.46
240	0.0754	0.099	0.223	604	513	34.32
300	0.0601	0.080	0.221	692	577	42.90

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

N2XBY 5 x (1.5-50) mm² 0.6/1 kV

Cu / XLPE / STA / PVC

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

Construction Data

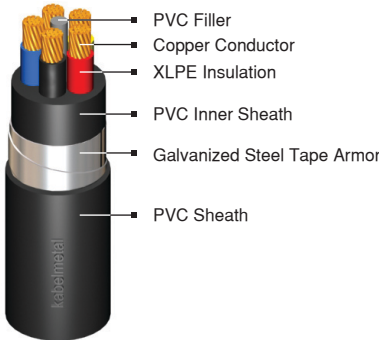
Nom. Cross Section Area	Overall Diameter	Cable Weight
	approx.	approx.
mm ²	mm	kg/km
1.5	14.4	322
2.5	15.7	403
4	17.2	517
6	18.7	649
10	21.5	919
16	24.5	1,265
25	28.5	1,833
35	32.0	2,403
50	36.0	3,069

Application :

For installation indoors, cable channels and in ground, for industry installations, switchgear, and power station, if there is a risk that low mechanical damage may occur.

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 $\pm 2\%$

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	
(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	86	92	1.43
16	1.15	1.467	0.238	114	120	2.29
25	0.727	0.927	0.240	154	155	3.58
35	0.524	0.669	0.233	190	186	5.01
50	0.387	0.494	0.232	230	219	7.15

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