

N2XKB(AL)Y 1 x (16-800) mm² 0.6/1 kV

Cu / XLPE / LS / PVC / DATA / PVC

(Copper Conductor, XLPE Insulated, Lead Sheathed, Double 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	22.0	1,140
25	22.0	1,205
35	22.0	1,279
50	23.0	1,452
70	24.5	1,766
95	26.5	2,107
120	28.5	2,522
150	30.5	2,900
185	33.5	3,540
240	36.5	4,416
300	39.5	5,160
400	43.5	6,406
500	48.0	7,941
630	53.5	9,999
800	59.5	12,304

Application :
For indoors, outdoors, in ground and in duct. Mainly on chemical industries, refineries, petrol stations and any other locations where there is a risk that solvent, fuel and other chemicals may penetrate and 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 - 185 sqmm supplied in wooden drum @ 1000 m
240 - 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 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. (Ω/km)	Max. (Ω/km)	Max. (A)	Max. (A)	
(mm²)			(mH/km)	(mH/km)					Max. (kA)
16	1.15	1.466	0.479	0.526	126	118	128	121	2.29
25	0.727	0.927	0.431	0.477	165	153	169	157	3.58
35	0.524	0.668	0.400	0.447	199	184	204	189	5.01
50	0.387	0.494	0.372	0.418	241	219	247	224	7.15
70	0.268	0.342	0.354	0.400	301	267	308	273	10.01
95	0.193	0.247	0.338	0.384	366	319	375	325	13.59
120	0.153	0.196	0.329	0.375	424	361	433	368	17.16
150	0.124	0.159	0.322	0.369	481	404	491	410	21.45
185	0.0991	0.128	0.316	0.363	553	454	563	459	26.46
240	0.0754	0.098	0.307	0.354	652	521	661	525	34.32
300	0.0601	0.079	0.301	0.347	742	581	748	582	42.90
400	0.0470	0.063	0.298	0.344	848	648	849	645	57.20
500	0.0366	0.051	0.292	0.338	965	719	959	708	71.50
630	0.0283	0.041	0.286	0.333	1088	789	1071	769	90.09
800	0.0221	0.034	0.283	0.329	1203	852	1172	821	114.40

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

N2XKBY 2 x (1.5-300) mm² 0.6/1 kV

Cu / XLPE / LS / PVC / DSTA / PVC

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

Construction Data

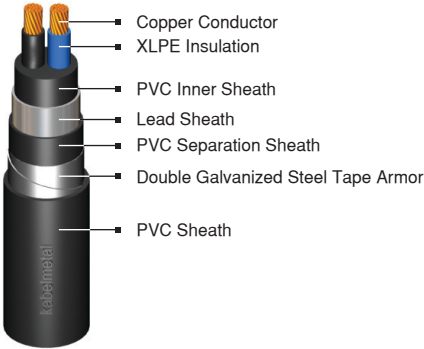
Nom. Cross Section Area	Overall Diameter	Cable Weight
	approx.	approx.
mm²	mm	kg/km
1.5	21.0	1,050
2.5	21.0	1,072
4	21.0	1,101
6	21.0	1,119
10	22.0	1,254
16	24.0	1,517
25	27.0	1,934
35	29.0	2,303
50	32.0	2,849
70	36.5	3,745
95	42.0	5,142
120	46.0	6,178
150	51.0	7,426
185	56.0	8,981
240	62.5	11,256
300	68.5	13,513

Application :
For indoors, outdoors, in ground and in duct. Mainly on chemical industries, refineries, petrol stations and any other locations where there is a risk that solvent, fuel and other chemicals may penetrate and 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 - 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 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	0.340	30	33	0.21
2.5	7.41	9.449	0.315	40	44	0.36
4	4.61	5.878	0.285	53	57	0.57
6	3.08	3.927	0.263	67	73	0.86
10	1.83	2.334	0.248	92	99	1.43
16	1.15	1.467	0.238	122	129	2.29
25	0.727	0.927	0.240	160	166	3.58
35	0.524	0.669	0.233	197	200	5.01
50	0.387	0.494	0.232	237	237	7.15
70	0.268	0.342	0.229	298	291	10.01
95	0.193	0.247	0.224	366	348	13.59
120	0.153	0.196	0.223	423	395	17.16
150	0.124	0.160	0.224	481	442	21.45
185	0.0991	0.128	0.225	548	496	26.46
240	0.0754	0.099	0.223	645	572	34.32
300	0.0601	0.080	0.221	731	639	42.90

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

N2XKBY 3 x (1.5-300) mm² 0.6/1 kV

Cu / XLPE / LS / PVC / DSTA / PVC

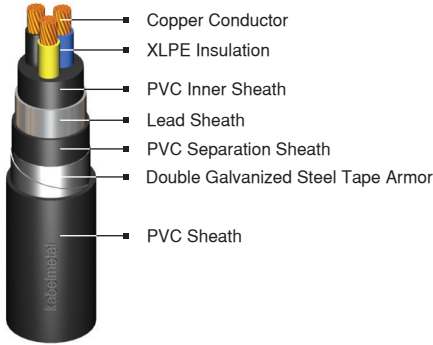
(Copper Conductor, XLPE Insulated, Lead Sheathed, Double Galvanized Steel Tape Armor, PVC Sheathed)
Standard Specification : IEC 60502-1

Construction Data

Nom. Cross Section Area	Overall Diameter	Cable Weight
	approx.	approx.
mm²	mm	kg/km
1.5	21.0	1,068
2.5	21.0	1,084
4	21.0	1,112
6	21.0	1,165
10	22.5	1,398
16	25.0	1,719
25	28.0	2,229
35	31.0	2,779
50	33.0	3,134
70	39.0	4,517
95	43.0	5,680
120	46.5	6,771
150	51.5	8,186
185	57.0	9,890
240	63.5	12,518
300	68.5	14,958

Application :
For indoors, outdoors, in ground and in duct. Mainly on chemical industries, refineries, petrol stations and any other locations where there is a risk that solvent, fuel and other chemicals may penetrate and 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 - 50 sqmm supplied in wooden drum @ 1000 m
70 - 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	0.340	26	28	0.21
2.5	7.41	9.449	0.304	34	37	0.36
4	4.61	5.878	0.285	45	49	0.57
6	3.08	3.927	0.263	57	62	0.86
10	1.83	2.334	0.248	78	83	1.43
16	1.15	1.467	0.238	103	108	2.29
25	0.727	0.927	0.240	136	139	3.58
35	0.524	0.669	0.233	167	168	5.01
50	0.387	0.494	0.232	206	203	7.15
70	0.268	0.342	0.229	261	249	10.01
95	0.193	0.247	0.224	318	297	13.59
120	0.153	0.196	0.223	368	338	17.16
150	0.124	0.160	0.224	419	378	21.45
185	0.0991	0.128	0.225	481	425	26.46
240	0.0754	0.099	0.223	564	489	34.32
300	0.0601	0.080	0.221	643	548	42.90

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

N2XKBY 4 x (1.5-300) mm² 0.6/1 kV

Cu / XLPE / LS / PVC / DSTA / PVC

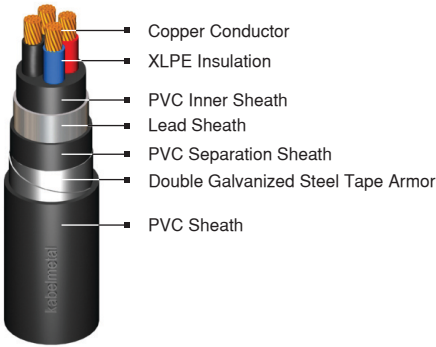
(Copper Conductor, XLPE Insulated, Lead Sheathed, Double Galvanized Steel Tape Armor, PVC Sheathed)
Standard Specification : IEC 60502-1

Construction Data

Nom. Cross Section Area	Overall Diameter	Cable Weight
	approx.	approx.
mm²	mm	kg/km
1.5	21.0	1,074
2.5	21.0	1,090
4	21.0	1,136
6	22.0	1,269
10	24.0	1,598
16	26.5	1,991
25	30.5	2,705
35	33.5	3,304
50	37.5	3,988
70	44.0	5,683
95	48.5	7,140
120	53.5	8,667
150	60.0	10,554
185	65.0	12,765
240	72.0	16,137
300	78.0	19,280

Application :
For indoors, outdoors, in ground and in duct. Mainly on chemical industries, refineries, petrol stations and any other locations where there is a risk that solvent, fuel and other chemicals may penetrate and 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 - 50 sqmm supplied in wooden drum @ 1000 m
70 - 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	29	31	0.21
2.5	7.41	9.449	0.304	38	41	0.36
4	4.61	5.878	0.275	50	54	0.57
6	3.08	3.927	0.263	63	68	0.86
10	1.83	2.334	0.248	86	90	1.43
16	1.15	1.467	0.238	113	117	2.29
25	0.727	0.927	0.240	152	151	3.58
35	0.524	0.669	0.233	185	181	5.01
50	0.387	0.494	0.232	217	208	7.15
70	0.268	0.342	0.229	273	254	10.01
95	0.193	0.247	0.224	335	305	13.59
120	0.153	0.196	0.223	387	345	17.16
150	0.124	0.160	0.224	446	389	21.45
185	0.0991	0.128	0.225	507	436	26.46
240	0.0754	0.099	0.223	595	501	34.32
300	0.0601	0.080	0.221	676	560	42.90

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

N2XKBY 5 x (1.5-50) mm² 0.6/1 kV

Cu / XLPE / LS / PVC / DSTA / PVC

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

Construction Data

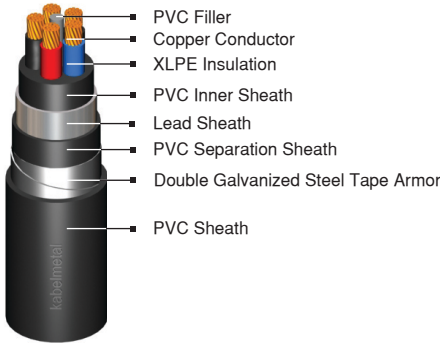
Nom. Cross Section Area	Overall Diameter	Cable Weight
	approx.	approx.
mm²	mm	kg/km
1.5	21.0	1,076
2.5	21.0	1,119
4	21.5	1,230
6	23.0	1,430
10	25.5	1,817
16	28.5	2,288
25	33.0	3,150
35	37.0	3,996
50	42.5	5,470

Application :

For indoors, outdoors, in ground and in duct. Mainly on chemical industries, refineries, petrol stations and any other locations where there is a risk that solvent, fuel and other chemicals may penetrate and 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 - 35 sqmm supplied in wooden drum @ 1000 m

50 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	30	32	0.21
2.5	7.41	9.449	0.293	39	42	0.36
4	4.61	5.878	0.275	51	55	0.57
6	3.08	3.927	0.263	65	69	0.86
10	1.83	2.334	0.248	88	92	1.43
16	1.15	1.467	0.238	117	119	2.29
25	0.727	0.927	0.240	157	153	3.58
35	0.524	0.669	0.233	192	183	5.01
50	0.387	0.494	0.232	232	215	7.15

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