

N2XKY 1 x (16-800) mm² 0.6/1 kV

Cu / XLPE / LS / PVC

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

Construction Data

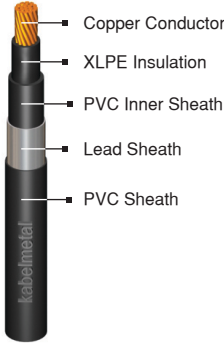
Nom. Cross Section Area	Overall Diameter	Cable Weight
	approx.	approx.
mm ²	mm	kg/km
16	17.7	946
25	17.7	1,011
35	17.7	1,084
50	18.9	1,256
70	21.0	1,552
95	23.0	1,886
120	25.0	2,283
150	27.0	2,656
185	30.0	3,271
240	33.5	4,119
300	36.0	4,804
400	40.0	6,029
500	44.5	7,503
630	49.5	9,464
800	55.0	11,710

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 mechanical damage is not likely to 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
- Nylon Coated



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. (A)	Max. (A)	Max. (A)	Max. (A)	
(mm²)	Max. (Ω/km)	Max. (Ω/km)	(mH/km)	(mH/km)					Max. (kA)
16	1.15	1.466	0.439	0.486	120	117	123	120	2.29
25	0.727	0.927	0.391	0.437	158	153	162	157	3.58
35	0.524	0.668	0.361	0.407	191	183	196	188	5.01
50	0.387	0.494	0.337	0.383	231	218	238	224	7.15
70	0.268	0.342	0.322	0.368	291	267	299	274	10.01
95	0.193	0.247	0.310	0.356	356	319	367	327	13.59
120	0.153	0.196	0.303	0.349	415	363	427	372	17.16
150	0.124	0.159	0.299	0.346	474	406	488	417	21.45
185	0.0991	0.128	0.296	0.342	550	459	565	471	26.46
240	0.0754	0.098	0.288	0.335	654	531	672	544	34.32
300	0.0601	0.079	0.282	0.328	752	598	771	611	42.90
400	0.0470	0.064	0.281	0.327	870	675	891	689	57.20
500	0.0366	0.051	0.276	0.322	1005	760	1026	772	71.50
630	0.0283	0.042	0.271	0.317	1155	849	1175	860	90.09
800	0.0221	0.035	0.269	0.315	1299	933	1315	939	114.40

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

N2XKY 2 x (1.5-300) mm² 0.6/1 kV

Cu / XLPE / LS / PVC

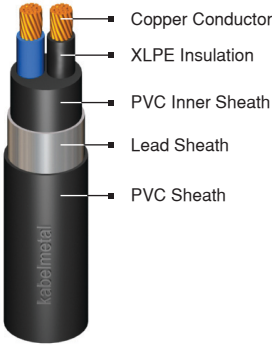
(Copper Conductor, XLPE Insulated, Lead Sheathed, PVC Sheathed)
Standard Specification : IEC 60502-1

Construction Data

Nom. Cross Section Area	Overall Diameter	Cable Weight
	approx.	approx.
mm²	mm	kg/km
1.5	18.8	885
2.5	18.8	906
4	18.8	935
6	18.8	953
10	19.7	1,081
16	22.0	1,326
25	25.0	1,715
35	27.5	2,063
50	30.0	2,570
70	34.5	3,408
95	38.5	4,376
120	42.5	5,313
150	47.0	6,425
185	52.0	7,847
240	58.0	9,965
300	63.5	12,063

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 mechanical damage is not likely to 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
 - Nylon Coated



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	58	0.57
6	3.08	3.927	0.263	67	73	0.86
10	1.83	2.334	0.248	91	100	1.43
16	1.15	1.467	0.238	121	130	2.29
25	0.727	0.927	0.240	160	167	3.58
35	0.524	0.669	0.233	196	202	5.01
50	0.387	0.494	0.232	237	239	7.15
70	0.268	0.342	0.229	299	294	10.01
95	0.193	0.247	0.224	365	351	13.59
120	0.153	0.196	0.223	423	399	17.16
150	0.124	0.160	0.224	484	448	21.45
185	0.0991	0.128	0.225	554	504	26.46
240	0.0754	0.099	0.223	655	584	34.32
300	0.0601	0.080	0.221	747	656	42.90

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

N2XKY 3 x (1.5-300) mm² 0.6/1 kV

Cu / XLPE / LS / PVC

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

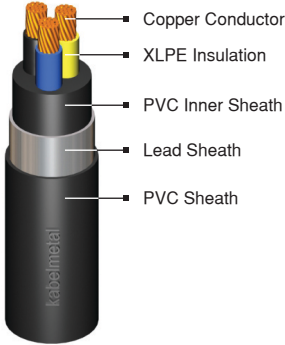
Construction Data

Nom. Cross Section Area	Overall Diameter	Cable Weight
	approx.	approx.
mm ²	mm	kg/km
1.5	18.8	902
2.5	18.8	919
4	18.8	947
6	18.8	999
10	21.0	1,217
16	23.0	1,518
25	26.5	1,998
35	29.0	2,524
50	31.0	2,848
70	35.5	3,815
95	39.0	4,869
120	43.0	5,907
150	47.5	7,202
185	52.5	8,779
240	59.0	11,250
300	64.0	13,522

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 mechanical damage is not likely to 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
- 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 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	56	62	0.86
10	1.83	2.334	0.248	77	84	1.43
16	1.15	1.467	0.238	103	109	2.29
25	0.727	0.927	0.240	136	141	3.58
35	0.524	0.669	0.233	167	169	5.01
50	0.387	0.494	0.232	206	205	7.15
70	0.268	0.342	0.229	259	251	10.01
95	0.193	0.247	0.224	318	301	13.59
120	0.153	0.196	0.223	368	341	17.16
150	0.124	0.160	0.224	421	383	21.45
185	0.0991	0.128	0.225	486	432	26.46
240	0.0754	0.099	0.223	574	499	34.32
300	0.0601	0.080	0.221	658	563	42.90

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

N2XKY 4 x (1.5-300) mm² 0.6/1 kV

Cu / XLPE / LS / PVC

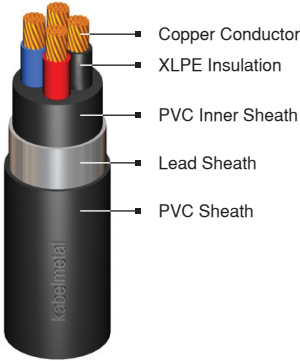
(Copper Conductor, XLPE Insulated, Lead Sheathed, PVC Sheathed)
Standard Specification : IEC 60502-1

Construction Data

Nom. Cross Section Area	Overall Diameter	Cable Weight
	approx.	approx.
mm ²	mm	kg/km
1.5	18.8	909
2.5	18.8	925
4	18.8	971
6	19.7	1,095
10	22.5	1,404
16	24.5	1,775
25	28.5	2,453
35	31.5	3,012
50	35.5	3,645
70	40.0	4,852
95	44.5	6,244
120	49.5	7,648
150	56.0	9,375
185	60.0	11,438
240	67.5	14,652
300	73.5	17,635

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 mechanical damage is not likely to 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
 - Nylon Coated



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	28	31	0.21
2.5	7.41	9.449	0.304	38	42	0.36
4	4.61	5.878	0.275	49	54	0.57
6	3.08	3.927	0.263	62	68	0.86
10	1.83	2.334	0.248	85	91	1.43
16	1.15	1.467	0.238	113	118	2.29
25	0.727	0.927	0.240	151	153	3.58
35	0.524	0.669	0.233	186	183	5.01
50	0.387	0.494	0.232	218	211	7.15
70	0.268	0.342	0.229	273	257	10.01
95	0.193	0.247	0.224	335	308	13.59
120	0.153	0.196	0.223	389	349	17.16
150	0.124	0.160	0.224	451	395	21.45
185	0.0991	0.128	0.225	516	444	26.46
240	0.0754	0.099	0.223	608	513	34.32
300	0.0601	0.080	0.221	696	577	42.90

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

N2XKY 5 x (1.5-50) mm² 0.6/1 kV

Cu / XLPE / LS / PVC

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

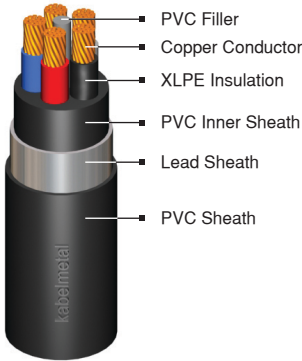
Construction Data

Nom. Cross Section Area	Overall Diameter	Cable Weight
	approx.	approx.
mm ²	mm	kg/km
1.5	18.8	911
2.5	18.8	953
4	19.5	1,059
6	21.5	1,245
10	24.0	1,608
16	26.5	2,053
25	31.0	2,862
35	34.5	3,659
50	39.0	4,698

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 mechanical damage is not likely to 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
- Nylon Coated



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)	Max. (Ω/km)	Max. (Ω/km)	(mH/km)	Max. (A)	Max. (A)	Max. (kA)
1.5	12.1	15.429	0.328	29	32	0.21
2.5	7.41	9.449	0.293	38	42	0.36
4	4.61	5.878	0.275	51	56	0.57
6	3.08	3.927	0.263	64	69	0.86
10	1.83	2.334	0.248	88	93	1.43
16	1.15	1.467	0.238	117	120	2.29
25	0.727	0.927	0.240	157	155	3.58
35	0.524	0.669	0.233	193	186	5.01
50	0.387	0.494	0.232	233	218	7.15

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