

N2XKR(AL)Y 1 x (16-800) mm² 0.6/1 kV

Cu / XLPE / LS / PVC / AWA / PVC

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

Construction Data

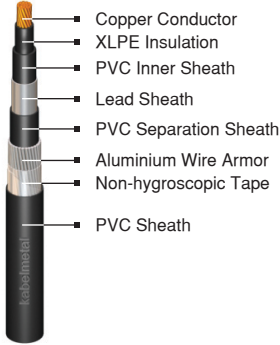
Nom. Cross Section Area	Overall Diameter	Cable Weight
	approx.	approx.
mm²	mm	kg/km
16	23.0	1,199
25	23.0	1,265
35	23.0	1,342
50	24.0	1,514
70	26.5	1,873
95	28.0	2,220
120	30.0	2,648
150	32.0	3,047
185	35.0	3,703
240	39.0	4,681
300	42.0	5,447
400	46.5	6,729
500	52.0	8,458
630	57.5	10,580
800	63.0	12,944

Application :

For indoors, outdoors, in ground and in duct. Mainly on chemical industries, refineries, petrol stations and any other locations where that is a risk that solvent, fuel and other chemicals may penetrate and high pulling stresses may occur during installation and operation.

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	0.489	0.535	127	119	130	121	2.29
25	0.727	0.927	0.440	0.486	167	154	171	158	3.58
35	0.524	0.668	0.410	0.456	202	185	207	189	5.01
50	0.387	0.494	0.381	0.427	245	220	251	225	7.15
70	0.268	0.342	0.366	0.413	306	268	313	273	10.01
95	0.193	0.247	0.349	0.396	372	319	379	324	13.59
120	0.153	0.196	0.340	0.386	428	361	436	366	17.16
150	0.124	0.159	0.334	0.380	485	401	493	406	21.45
185	0.0991	0.128	0.327	0.373	555	449	562	452	26.46
240	0.0754	0.098	0.321	0.367	649	509	651	507	34.32
300	0.0601	0.079	0.314	0.360	731	562	729	557	42.90
400	0.0470	0.063	0.309	0.355	826	621	818	610	57.20
500	0.0366	0.050	0.308	0.354	920	669	902	650	71.50
630	0.0283	0.041	0.301	0.347	1023	724	997	698	90.09
800	0.0221	0.034	0.296	0.342	1118	773	1085	742	114.40

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

N2XKRY 2 x (1.5-300) mm² 0.6/1 kV

Cu / XLPE / LS / PVC / SWA / PVC

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

Construction Data

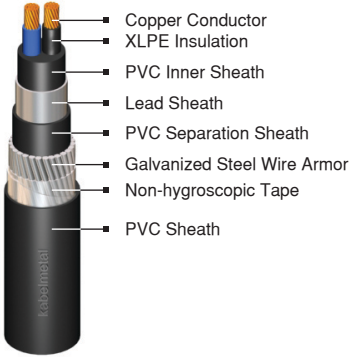
Nom. Cross Section Area	Overall Diameter	Cable Weight
	approx.	approx.
mm ²	mm	kg/km
1.5	23.0	1,350
2.5	23.0	1,372
4	23.0	1,401
6	23.0	1,418
10	24.0	1,568
16	26.5	2,005
25	29.5	2,485
35	32.0	2,919
50	35.0	3,533
70	40.5	4,771
95	44.5	5,889
120	50.0	7,423
150	55.0	8,807
185	60.0	10,485
240	66.5	12,953
300	72.5	15,366

Application :

For indoors, outdoors, in ground and in duct. Mainly on chemical industries, refineries, petrol stations and any other locations where that is a risk that solvent, fuel and other chemicals may penetrate and high pulling stresses may occur during installation and operation.

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 - 50 sqmm supplied in wooden drum @ 1000 m
70 - 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	0.340	31	33	0.21
2.5	7.41	9.449	0.315	41	44	0.36
4	4.61	5.878	0.285	54	58	0.57
6	3.08	3.927	0.263	69	73	0.86
10	1.83	2.334	0.248	95	100	1.43
16	1.15	1.467	0.238	126	131	2.29
25	0.727	0.927	0.240	165	168	3.58
35	0.524	0.669	0.233	202	202	5.01
50	0.387	0.494	0.232	242	239	7.15
70	0.268	0.342	0.229	306	294	10.01
95	0.193	0.247	0.224	372	350	13.59
120	0.153	0.196	0.223	433	399	17.16
150	0.124	0.160	0.224	492	446	21.45
185	0.0991	0.128	0.225	560	501	26.46
240	0.0754	0.099	0.223	658	579	34.32
300	0.0601	0.080	0.221	747	648	42.90

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

N2XKRY 3 x (1.5-300) mm² 0.6/1 kV

Cu / XLPE / LS / PVC / SWA / PVC

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

Construction Data

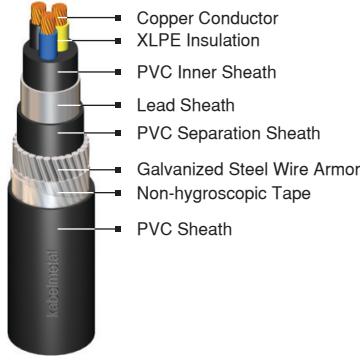
Nom. Cross Section Area	Overall Diameter	Cable Weight
	approx.	approx.
mm²	mm	kg/km
1.5	23.0	1,367
2.5	23.0	1,384
4	23.0	1,412
6	23.0	1,465
10	25.5	1,859
16	27.5	2,233
25	31.0	2,820
35	34.0	3,435
50	37.0	4,054
70	42.0	5,209
95	45.5	6,426
120	50.5	8,020
150	56.0	9,588
185	61.0	11,397
240	67.5	14,216
300	72.5	16,784

Application :

For indoors, outdoors, in ground and in duct. Mainly on chemical industries, refineries, petrol stations and any other locations where that is a risk that solvent, fuel and other chemicals may penetrate and high pulling stresses may occur during installation and operation.

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 - 35 sqmm supplied in wooden drum @ 1000 m
50 - 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	35	37	0.36
4	4.61	5.878	0.285	46	49	0.57
6	3.08	3.927	0.263	59	62	0.86
10	1.83	2.334	0.248	81	84	1.43
16	1.15	1.467	0.238	107	110	2.29
25	0.727	0.927	0.240	140	141	3.58
35	0.524	0.669	0.233	172	169	5.01
50	0.387	0.494	0.232	213	206	7.15
70	0.268	0.342	0.229	266	250	10.01
95	0.193	0.247	0.224	324	300	13.59
120	0.153	0.196	0.223	378	342	17.16
150	0.124	0.160	0.224	429	381	21.45
185	0.0991	0.128	0.225	492	430	26.46
240	0.0754	0.099	0.223	577	496	34.32
300	0.0601	0.080	0.221	658	556	42.90

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

N2XKRY 4 x (1.5-300) mm² 0.6/1 kV

Cu / XLPE / LS / PVC / SWA / PVC

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

Construction Data

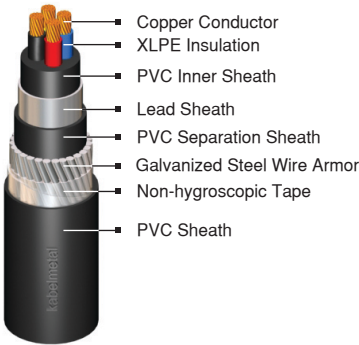
Nom. Cross Section Area	Overall Diameter	Cable Weight
	approx.	approx.
mm²	mm	kg/km
1.5	23.0	1,374
2.5	23.0	1,390
4	23.0	1,436
6	24.0	1,583
10	27.0	2,100
16	29.5	2,544
25	33.5	3,347
35	37.5	4,243
50	41.5	5,039
70	46.5	6,440
95	52.5	8,445
120	57.5	10,124
150	64.0	12,172
185	69.0	14,480
240	76.0	18,069
300	83.5	22,246

Application :

For indoors, outdoors, in ground and in duct. Mainly on chemical industries, refineries, petrol stations and any other locations where that is a risk that solvent, fuel and other chemicals may penetrate and high pulling stresses may occur during installation and operation.

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 - 25 sqmm supplied in wooden drum @ 1000 m
35 - 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	39	42	0.36
4	4.61	5.878	0.275	51	54	0.57
6	3.08	3.927	0.263	65	68	0.86
10	1.83	2.334	0.248	89	92	1.43
16	1.15	1.467	0.238	117	118	2.29
25	0.727	0.927	0.240	156	153	3.58
35	0.524	0.669	0.233	192	183	5.01
50	0.387	0.494	0.232	224	210	7.15
70	0.268	0.342	0.229	278	256	10.01
95	0.193	0.247	0.224	343	308	13.59
120	0.153	0.196	0.223	395	348	17.16
150	0.124	0.160	0.224	456	393	21.45
185	0.0991	0.128	0.225	518	441	26.46
240	0.0754	0.099	0.223	608	508	34.32
300	0.0601	0.080	0.221	694	569	42.90

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

N2XKRY 5 x (1.5-50) mm² 0.6/1 kV

Cu / XLPE / LS / PVC / SWA / PVC

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

Construction Data

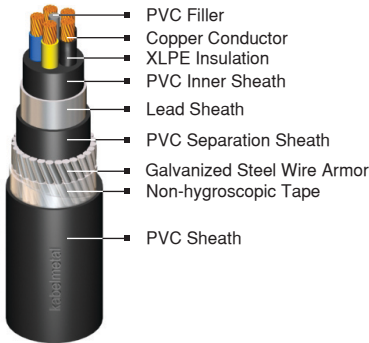
Nom. Cross Section Area	Overall Diameter	Cable Weight
	approx.	approx.
mm²	mm	kg/km
1.5	23.0	1,376
2.5	23.0	1,419
4	23.5	1,546
6	26.0	1,906
10	28.5	2,342
16	31.5	2,877
25	36.0	3,845
35	40.5	5,048
50	45.0	6,238

Application :

For indoors, outdoors, in ground and in duct. Mainly on chemical industries, refineries, petrol stations and any other locations where that is a risk that solvent, fuel and other chemicals may penetrate and high pulling stresses may occur during installation and operation.

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 - 25 sqmm supplied in wooden drum @ 1000 m
35 - 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	40	42	0.36
4	4.61	5.878	0.275	53	56	0.57
6	3.08	3.927	0.263	67	70	0.86
10	1.83	2.334	0.248	92	93	1.43
16	1.15	1.467	0.238	121	120	2.29
25	0.727	0.927	0.240	161	155	3.58
35	0.524	0.669	0.233	198	185	5.01
50	0.387	0.494	0.232	238	217	7.15

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