

NYKR(AL)Y 1 x (16-800) mm² 0.6/1 kV

Cu / PVC / LS / PVC / AWA / PVC

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

Construction Data

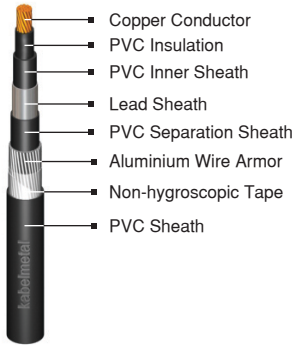
Nom. Cross Section Area	Overall Diameter	Cable Weight
	approx.	approx.
mm²	mm	kg/km
16	23.0	1,210
25	23.0	1,280
35	23.0	1,359
50	25.0	1,645
70	27.0	1,958
95	29.5	2,430
120	31.0	2,784
150	33.0	3,183
185	36.0	3,859
240	40.0	4,894
300	43.5	5,824
400	48.0	7,196
500	53.5	8,815
630	58.5	10,889
800	64.0	13,240

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
- Heat Resistance
- 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 70°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	1.376	0.489	0.535	102	99	105	101	1.84
25	0.727	0.870	0.440	0.486	134	128	137	131	2.88
35	0.524	0.627	0.410	0.456	162	154	166	158	4.03
50	0.387	0.463	0.392	0.438	197	183	201	187	5.75
70	0.268	0.321	0.371	0.417	245	223	250	227	8.05
95	0.193	0.232	0.358	0.404	298	265	303	269	10.93
120	0.153	0.184	0.347	0.393	342	299	347	303	13.80
150	0.124	0.149	0.339	0.385	386	333	392	336	17.25
185	0.0991	0.120	0.331	0.378	441	372	445	374	21.28
240	0.0754	0.092	0.326	0.372	513	420	513	418	27.60
300	0.0601	0.074	0.321	0.367	578	464	575	458	34.50
400	0.0470	0.059	0.317	0.363	651	510	643	499	41.20
500	0.0366	0.048	0.313	0.359	722	549	708	533	51.50
630	0.0283	0.039	0.303	0.350	801	593	781	572	64.89
800	0.0221	0.032	0.298	0.344	874	632	849	607	82.40

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

NYKRY 2 x (1.5-300) mm² 0.6/1 kV

Cu / PVC / LS / PVC / SWA / PVC

(Copper Conductor, PVC 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	1,358
2.5	23.0	1,381
4	23.0	1,410
6	23.0	1,455
10	26.0	1,854
16	28.0	2,163
25	31.0	2,658
35	33.5	3,208
50	38.0	4,151
70	42.0	5,148
95	47.0	6,468
120	52.0	7,969
150	57.0	9,384
185	62.0	11,153
240	69.0	13,777
300	75.5	16,396

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
- Heat Resistance
- 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 - 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 70°C		in air	in ground	
(mm²)			(mH/km)			
1.5	12.1	14.478	0.351	25	27	0.17
2.5	7.41	8.866	0.315	33	36	0.29
4	4.61	5.516	0.303	43	47	0.46
6	3.08	3.685	0.288	55	60	0.69
10	1.83	2.190	0.269	76	81	1.15
16	1.15	1.376	0.255	100	106	1.84
25	0.727	0.870	0.255	130	136	2.88
35	0.524	0.627	0.246	159	164	4.03
50	0.387	0.464	0.247	192	193	5.75
70	0.268	0.321	0.238	241	238	8.05
95	0.193	0.232	0.238	291	282	10.93
120	0.153	0.184	0.233	339	323	13.80
150	0.124	0.150	0.233	384	361	17.25
185	0.0991	0.121	0.233	436	405	21.28
240	0.0754	0.093	0.232	511	467	27.60
300	0.0601	0.075	0.231	578	522	34.50

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

NYKRY 3 x (1.5-300) mm² 0.6/1 kV

Cu / PVC / LS / PVC / SWA / PVC

(Copper Conductor, PVC 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	1,381
2.5	23.0	1,399
4	23.0	1,432
6	24.5	1,711
10	27.0	2,026
16	29.0	2,411
25	32.5	3,033
35	35.5	3,668
50	39.5	4,401
70	43.5	5,518
95	50.0	7,346
120	53.0	8,504
150	58.5	10,300
185	63.5	12,213
240	70.5	15,214
300	78.0	18,796

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
- Heat Resistance
- 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 70°C		in air	in ground	
(mm²)			(mH/km)			
1.5	12.1	14.478	0.351	21	23	0.17
2.5	7.41	8.866	0.315	28	31	0.29
4	4.61	5.516	0.303	37	41	0.46
6	3.08	3.685	0.288	47	51	0.69
10	1.83	2.190	0.269	65	69	1.15
16	1.15	1.376	0.255	85	90	1.84
25	0.727	0.870	0.255	111	115	2.88
35	0.524	0.627	0.246	136	138	4.03
50	0.387	0.464	0.247	172	170	5.75
70	0.268	0.321	0.238	214	207	8.05
95	0.193	0.232	0.238	263	249	10.93
120	0.153	0.184	0.233	303	282	13.80
150	0.124	0.150	0.233	344	316	17.25
185	0.0991	0.121	0.233	394	356	21.28
240	0.0754	0.093	0.232	462	410	27.60
300	0.0601	0.075	0.231	527	459	34.50

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

NYKRY 4 x (1.5-300) mm² 0.6/1 kV

Cu / PVC / LS / PVC / SWA / PVC

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

Construction Data

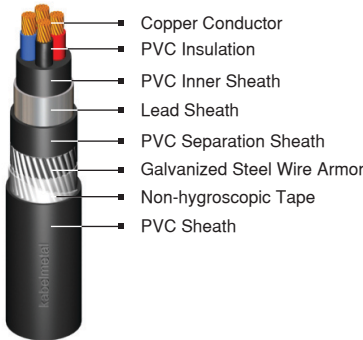
Nom. Cross Section Area	Overall Diameter	Cable Weight
	approx.	approx.
mm ²	mm	kg/km
1.5	23.0	1,377
2.5	23.0	1,413
4	24.5	1,695
6	26.0	1,896
10	28.5	2,291
16	31.0	2,750
25	35.0	3,617
35	39.0	4,664
50	45.0	5,554
70	50.0	7,299
95	56.5	9,337
120	61.0	10,936
150	67.5	13,116
185	72.5	15,444
240	81.5	20,059
300	88.5	23,907

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
- Heat Resistance
- 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 $\pm 2\%$

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 70°C		in air	in ground	
(mm²)			(mH/km)			
1.5	12.1	14.478	0.340	24	27	0.17
2.5	7.41	8.866	0.315	32	36	0.29
4	4.61	5.516	0.303	44	47	0.46
6	3.08	3.685	0.288	55	59	0.69
10	1.83	2.190	0.269	74	78	1.15
16	1.15	1.376	0.255	98	101	1.84
25	0.727	0.870	0.255	130	130	2.88
35	0.524	0.627	0.246	159	155	4.03
50	0.387	0.464	0.247	181	175	5.75
70	0.268	0.321	0.238	227	214	8.05
95	0.193	0.232	0.238	279	256	10.93
120	0.153	0.184	0.233	320	290	13.80
150	0.124	0.150	0.233	368	327	17.25
185	0.0991	0.121	0.233	415	365	21.28
240	0.0754	0.093	0.232	490	421	27.60
300	0.0601	0.075	0.231	557	472	34.50

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

NYKRY 5 x (1.5-50) mm² 0.6/1 kV

Cu / PVC / LS / PVC / SWA / PVC

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

Construction Data

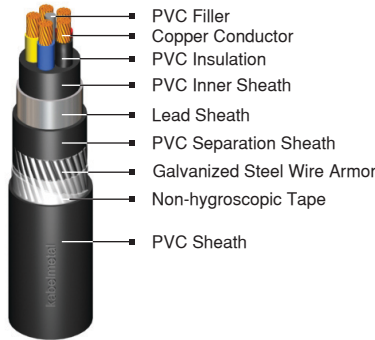
Nom. Cross Section Area	Overall Diameter	Cable Weight
	approx.	approx.
mm ²	mm	kg/km
1.5	23.0	1,404
2.5	23.0	1,431
4	26.0	1,875
6	27.5	2,124
10	30.0	2,577
16	33.5	3,233
25	39.0	4,506
35	42.5	5,506
50	49.0	7,284

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
- Heat Resistance
- 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 - 16 sqmm supplied in wooden drum @ 1000 m

25 - 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 70°C		in air	in ground	
(mm²)	Max. (Ω/km)	Max. (Ω/km)	(mH/km)	Max. (A)	Max. (A)	Max. (kA)
1.5	12.1	14.478	0.340	25	28	0.17
2.5	7.41	8.866	0.304	33	37	0.29
4	4.61	5.516	0.303	45	48	0.46
6	3.08	3.685	0.288	57	60	0.69
10	1.83	2.190	0.269	77	80	1.15
16	1.15	1.376	0.255	101	102	1.84
25	0.727	0.870	0.255	135	132	2.88
35	0.524	0.627	0.246	164	157	4.03
50	0.387	0.464	0.247	199	185	5.75

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