

NYKFGbY 2 x (1.5-300) mm² 0.6/1 kV

Cu / PVC / LS / PVC / SFWA / PVC

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

Construction Data

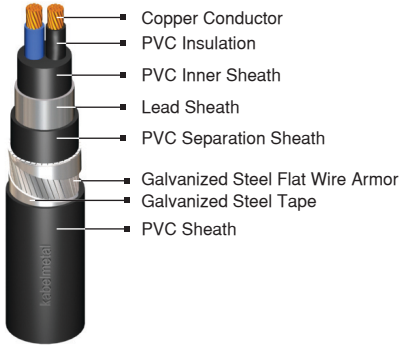
Nom. Cross Section Area	Overall Diameter	Cable Weight
	approx.	approx.
mm²	mm	kg/km
1.5	22.5	1,360
2.5	22.5	1,384
4	22.5	1,413
6	22.5	1,448
10	24.5	1,703
16	26.5	2,024
25	29.5	2,503
35	32.5	3,034
50	35.5	3,704
70	40.0	4,640
95	45.0	5,924
120	48.5	6,930
150	53.0	8,238
185	58.5	9,901
240	65.0	12,393
300	71.5	14,884

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 - 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 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	32	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	75	81	1.15
16	1.15	1.376	0.255	98	105	1.84
25	0.727	0.870	0.255	129	135	2.88
35	0.524	0.627	0.246	157	163	4.03
50	0.387	0.464	0.247	189	192	5.75
70	0.268	0.321	0.238	237	236	8.05
95	0.193	0.232	0.238	287	280	10.93
120	0.153	0.184	0.233	332	320	13.80
150	0.124	0.150	0.233	376	358	17.25
185	0.0991	0.121	0.233	427	400	21.28
240	0.0754	0.093	0.232	500	460	27.60
300	0.0601	0.075	0.231	565	513	34.50

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

NYKFGbY 3 x (1.5-300) mm² 0.6/1 kV

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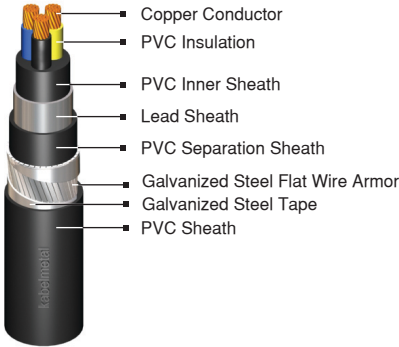
(Copper Conductor, PVC Insulated, Lead Sheathed, Galvanized Steel Flat Wire Armor, PVC Sheathed)
Standard Specification : IEC 60502-1

Construction Data

Nom. Cross Section Area	Overall Diameter	Cable Weight
	approx.	approx.
mm²	mm	kg/km
1.5	22.5	1,384
2.5	22.5	1,401
4	22.5	1,434
6	23.5	1,588
10	25.5	1,889
16	27.5	2,270
25	31.0	2,847
35	34.0	3,478
50	37.0	3,949
70	41.0	5,012
95	46.0	6,364
120	49.5	7,464
150	54.5	9,115
185	59.5	10,947
240	66.5	13,817
300	72.5	16,487

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 - 50 sqmm supplied in wooden drum @ 1000 m
70 - 300 sqmm will be suplied 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	30	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	64	69	1.15
16	1.15	1.376	0.255	84	89	1.84
25	0.727	0.870	0.255	110	114	2.88
35	0.524	0.627	0.246	134	137	4.03
50	0.387	0.464	0.247	168	169	5.75
70	0.268	0.321	0.238	210	206	8.05
95	0.193	0.232	0.238	257	246	10.93
120	0.153	0.184	0.233	296	279	13.80
150	0.124	0.150	0.233	336	312	17.25
185	0.0991	0.121	0.233	385	351	21.28
240	0.0754	0.093	0.232	451	403	27.60
300	0.0601	0.075	0.231	512	450	34.50

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

NYKFGbY 4 x (1.5-300) mm² 0.6/1 kV

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Construction Data

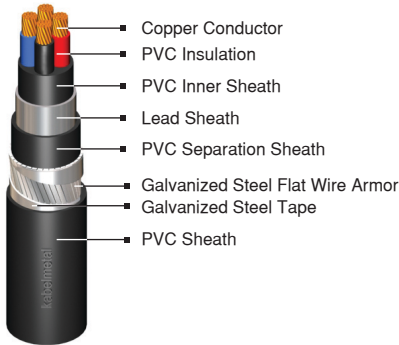
Nom. Cross Section Area	Overall Diameter	Cable Weight
	approx.	approx.
mm²	mm	kg/km
1.5	22.5	1,379
2.5	22.5	1,416
4	23.5	1,572
6	25.0	1,772
10	27.0	2,139
16	29.5	2,595
25	33.5	3,401
35	37.0	4,170
50	42.5	5,050
70	46.5	6,281
95	52.5	8,202
120	57.0	9,733
150	64.0	11,780
185	68.5	14,001
240	76.5	17,562
300	83.5	21,253

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 ± 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	43	47	0.46
6	3.08	3.685	0.288	54	59	0.69
10	1.83	2.190	0.269	73	78	1.15
16	1.15	1.376	0.255	96	100	1.84
25	0.727	0.870	0.255	127	129	2.88
35	0.524	0.627	0.246	155	154	4.03
50	0.387	0.464	0.247	178	173	5.75
70	0.268	0.321	0.238	222	212	8.05
95	0.193	0.232	0.238	272	254	10.93
120	0.153	0.184	0.233	313	287	13.80
150	0.124	0.150	0.233	360	323	17.25
185	0.0991	0.121	0.233	406	360	21.28
240	0.0754	0.093	0.232	477	414	27.60
300	0.0601	0.075	0.231	541	461	34.50

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

NYKFGbY 5 x (1.5-50) mm² 0.6/1 kV

Cu / PVC / LS / PVC / SFWA / PVC

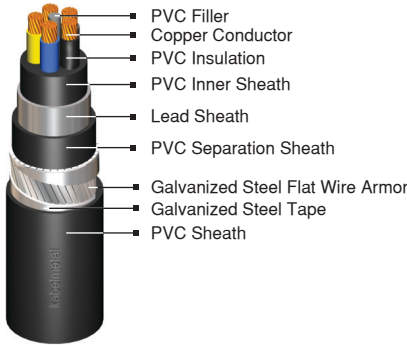
(Copper Conductor, PVC Insulated, Lead Sheathed, Galvanized Steel Flat Wire Armor, PVC Sheathed)
Standard Specification : IEC 60502-1

Construction Data

Nom. Cross Section Area	Overall Diameter	Cable Weight
	approx.	approx.
mm²	mm	kg/km
1.5	22.5	1,407
2.5	22.5	1,433
4	25.0	1,751
6	26.5	1,984
10	29.0	2,410
16	32.0	3,048
25	36.5	4,038
35	40.5	5,001
50	45.5	6,304

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
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 - Flame Retardant Cat. A, B, C
 - Flame Retardant Non Category
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 - 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

Nom. Cross Sect.	Conductor		Inductance	Current - Carrying Capacity at 30°C *		Short circuit current at 1 sec
	DC Resistance at 20°C	AC Resistance at 70°C		in air	in ground	
	Max. (Ω/km)	Max. (Ω/km)		Max. (A)	Max. (A)	Max. (kA)
(mm²)			(mH/km)			
1.5	12.1	14.478	0.340	25	28	0.17
2.5	7.41	8.866	0.304	33	36	0.29
4	4.61	5.516	0.303	44	48	0.46
6	3.08	3.685	0.288	56	59	0.69
10	1.83	2.190	0.269	75	79	1.15
16	1.15	1.376	0.255	99	102	1.84
25	0.727	0.870	0.255	132	131	2.88
35	0.524	0.627	0.246	160	155	4.03
50	0.387	0.464	0.247	192	181	5.75

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