

N2XKFGbY 2 x (1.5-300) mm² 0.6/1 kV

Cu / XLPE / LS / PVC / SFWA / PVC

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

Construction Data

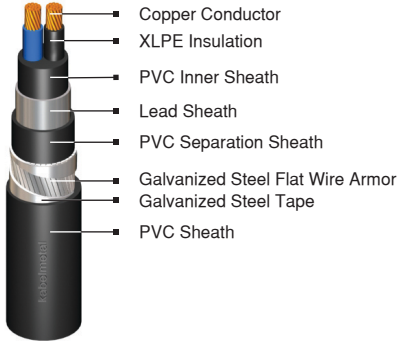
Nom. Cross Section Area	Overall Diameter	Cable Weight
	approx.	approx.
mm²	mm	kg/km
1.5	22.5	1,352
2.5	22.5	1,374
4	22.5	1,403
6	22.5	1,421
10	23.0	1,581
16	25.5	1,867
25	28.5	2,331
35	30.5	2,748
50	33.5	3,331
70	38.5	4,301
95	42.5	5,365
120	46.5	6,433
150	51.0	7,708
185	56.5	9,282
240	62.5	11,615
300	68.5	13,912

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 ± 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	68	73	0.86
10	1.83	2.334	0.248	94	100	1.43
16	1.15	1.467	0.238	124	130	2.29
25	0.727	0.927	0.240	163	167	3.58
35	0.524	0.669	0.233	199	201	5.01
50	0.387	0.494	0.232	239	237	7.15
70	0.268	0.342	0.229	301	291	10.01
95	0.193	0.247	0.224	366	348	13.59
120	0.153	0.196	0.223	424	395	17.16
150	0.124	0.160	0.224	481	442	21.45
185	0.0991	0.128	0.225	548	495	26.46
240	0.0754	0.099	0.223	644	571	34.32
300	0.0601	0.080	0.221	730	637	42.90

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

N2XKFGbY 3 x (1.5-300) mm² 0.6/1 kV

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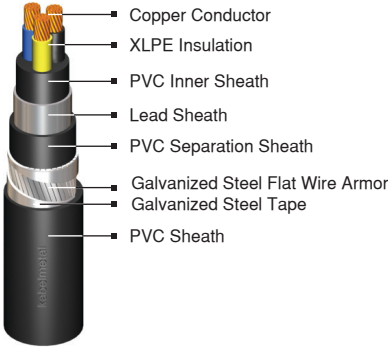
(Copper Conductor, XLPE Insulated, Lead Sheathed, Galvanized Steel Flat Wire Armor, PVC Sheathed)
Standard Specification : IEC 60502-1

Construction Data

Nom. Cross Section Area	Overall Diameter	Cable Weight
	approx.	approx.
mm²	mm	kg/km
1.5	22.5	1,370
2.5	22.5	1,386
4	22.5	1,414
6	22.5	1,468
10	24.0	1,723
16	26.5	2,093
25	29.5	2,649
35	32.5	3,262
50	34.5	3,627
70	39.5	4,724
95	43.5	5,897
120	47.0	7,002
150	52.0	8,489
185	57.0	10,191
240	63.5	12,876
300	69.0	15,339

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 - 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	35	37	0.36
4	4.61	5.878	0.285	46	49	0.57
6	3.08	3.927	0.263	58	62	0.86
10	1.83	2.334	0.248	79	84	1.43
16	1.15	1.467	0.238	105	109	2.29
25	0.727	0.927	0.240	138	140	3.58
35	0.524	0.669	0.233	169	168	5.01
50	0.387	0.494	0.232	209	204	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	377	21.45
185	0.0991	0.128	0.225	481	425	26.46
240	0.0754	0.099	0.223	564	488	34.32
300	0.0601	0.080	0.221	641	547	42.90

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

N2XKFGbY 4 x (1.5-300) mm² 0.6/1 kV

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Construction Data

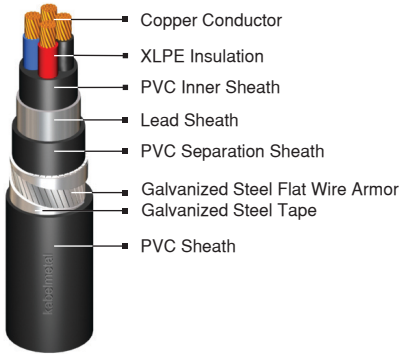
Nom. Cross Section Area	Overall Diameter approx.	Cable Weight approx.
mm²	mm	kg/km
1.5	22.5	1,377
2.5	22.5	1,393
4	22.5	1,438
6	23.0	1,596
10	25.5	1,947
16	28.0	2,389
25	32.0	3,163
35	35.0	3,810
50	39.0	4,552
70	44.5	5,916
95	48.5	7,404
120	54.0	8,976
150	60.5	10,892
185	65.0	13,133
240	72.5	16,557
300	78.5	19,716

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	
						Max. (Ω/km)
(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	64	68	0.86
10	1.83	2.334	0.248	87	91	1.43
16	1.15	1.467	0.238	115	117	2.29
25	0.727	0.927	0.240	154	151	3.58
35	0.524	0.669	0.233	187	181	5.01
50	0.387	0.494	0.232	220	209	7.15
70	0.268	0.342	0.229	274	254	10.01
95	0.193	0.247	0.224	335	305	13.59
120	0.153	0.196	0.223	386	344	17.16
150	0.124	0.160	0.224	446	388	21.45
185	0.0991	0.128	0.225	507	435	26.46
240	0.0754	0.099	0.223	594	500	34.32
300	0.0601	0.080	0.221	674	558	42.90

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

N2XKFGbY 5 x (1.5-50) mm² 0.6/1 kV

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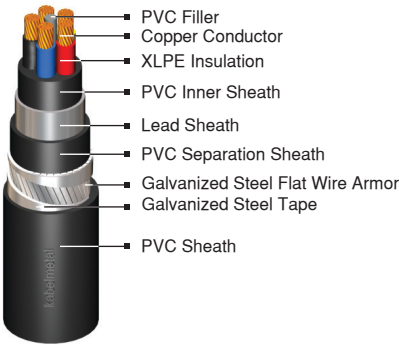
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Standard Specification : IEC 60502-1

Construction Data

Nom. Cross Section Area	Overall Diameter	Cable Weight
	approx.	approx.
mm²	mm	kg/km
1.5	22.5	1,378
2.5	22.5	1,421
4	23.0	1,532
6	24.5	1,755
10	27.0	2,190
16	30.0	2,708
25	34.5	3,657
35	38.5	4,552
50	42.5	5,689

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
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 - Flame Retardant Cat. A, B, C
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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)	Max. (Ω/km)	Max. (Ω/km)	(mH/km)	Max. (A)	Max. (A)	Max. (kA)
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	52	56	0.57
6	3.08	3.927	0.263	66	69	0.86
10	1.83	2.334	0.248	90	92	1.43
16	1.15	1.467	0.238	119	119	2.29
25	0.727	0.927	0.240	158	153	3.58
35	0.524	0.669	0.233	193	183	5.01
50	0.387	0.494	0.232	232	214	7.15

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