N2XFGbY 2 x (1.5-300) mm² 0.6/1 kV

Cu / XLPE / SFWA / PVC

(Copper Conductor, XLPE Insulated, Galvanized Steel Flat Wire Armor, PVC Sheathed)

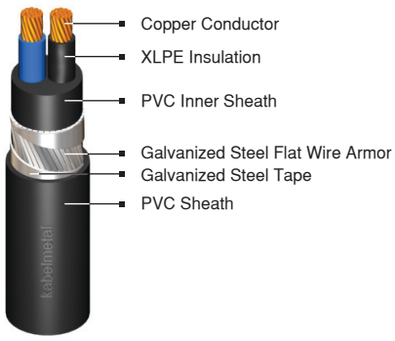
Standard Specification : IEC 60502-1

Construction Data

Nom. Cross Section Area	Overall Diameter	Cable Weight
	approx.	approx.
mm²	mm	kg/km
1.5	17.9	603
2.5	17.9	621
4	17.9	638
6	17.9	669
10	18.8	789
16	21.0	983
25	24.0	1,311
35	26.5	1,626
50	29.5	1,950
70	33.5	2,548
95	37.0	3,280
120	41.0	3,937
150	45.5	4,760
185	50.0	5,803
240	55.5	7,270
300	61.0	8,862

Application :
For installation in the ground, indoors, cable trunking and outdoors if increased mechanical protection is required or where high-pulling stresses may occur during installation or 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 - 120 sqmm supplied in wooden drum @ 1000 m
150 - 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 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	0.340	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	66	74	0.86
10	1.83	2.334	0.248	91	101	1.43
16	1.15	1.467	0.238	121	131	2.29
25	0.727	0.927	0.240	160	168	3.58
35	0.524	0.669	0.233	196	203	5.01
50	0.387	0.494	0.232	237	240	7.15
70	0.268	0.342	0.229	299	295	10.01
95	0.193	0.247	0.224	365	353	13.59
120	0.153	0.196	0.223	424	401	17.16
150	0.124	0.160	0.224	483	449	21.45
185	0.0991	0.128	0.225	553	505	26.46
240	0.0754	0.099	0.223	653	585	34.32
300	0.0601	0.080	0.221	746	658	42.90

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

16533-02 Rev. 2.0 / 2009

N2XFGbY 3 x (1.5-300) mm² 0.6/1 kV

Cu / XLPE / SFWA / PVC

(Copper Conductor, XLPE Insulated, Galvanized Steel Flat Wire Armor, PVC Sheathed)

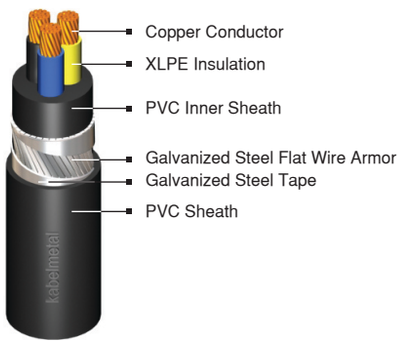
Standard Specification : IEC 60502-1

Construction Data

Nom. Cross Section Area	Overall Diameter	Cable Weight
	approx.	approx.
mm²	mm	kg/km
1.5	17.9	615
2.5	17.9	634
4	17.9	664
6	17.9	711
10	19.7	892
16	22.0	1,163
25	25.5	1,572
35	28.0	1,972
50	30.0	2,252
70	34.5	3,026
95	37.5	3,876
120	41.0	4,667
150	46.0	5,692
185	50.5	6,927
240	56.0	8,800
300	61.0	10,708

Application :
For installation in the ground, indoors, cable trunking and outdoors if increased mechanical protection is required or where high-pulling stresses may occur during installation or 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 - 95 sqmm supplied in wooden drum @ 1000 m
120 - 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 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	0.340	26	28	0.21
2.5	7.41	9.449	0.304	34	37	0.36
4	4.61	5.878	0.285	45	50	0.57
6	3.08	3.927	0.263	56	63	0.86
10	1.83	2.334	0.248	77	85	1.43
16	1.15	1.467	0.238	103	110	2.29
25	0.727	0.927	0.240	136	142	3.58
35	0.524	0.669	0.233	167	170	5.01
50	0.387	0.494	0.232	206	206	7.15
70	0.268	0.342	0.229	259	252	10.01
95	0.193	0.247	0.224	317	301	13.59
120	0.153	0.196	0.223	367	343	17.16
150	0.124	0.160	0.224	419	383	21.45
185	0.0991	0.128	0.225	484	433	26.46
240	0.0754	0.099	0.223	571	500	34.32
300	0.0601	0.080	0.221	654	563	42.90

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

16533-03 Rev. 2.0 / 2009

N2XFGbY 4 x (1.5-300) mm² 0.6/1 kV

Cu / XLPE / SFWA / PVC

(Copper Conductor, XLPE Insulated, Galvanized Steel Flat Wire Armor, PVC Sheathed)

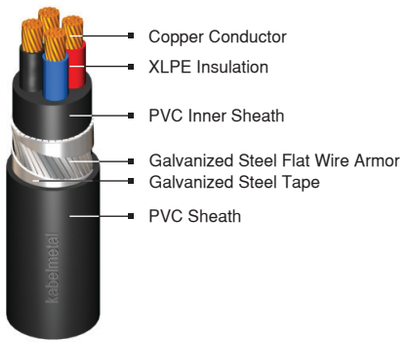
Standard Specification : IEC 60502-1

Construction Data

Nom. Cross Section Area	Overall Diameter	Cable Weight
	approx.	approx.
mm²	mm	kg/km
1.5	17.9	622
2.5	17.9	643
4	17.9	688
6	18.8	803
10	21.5	1,050
16	24.0	1,381
25	27.5	1,889
35	30.5	2,387
50	34.0	2,839
70	38.5	3,816
95	42.5	4,951
120	47.5	6,074
150	53.5	7,390
185	57.5	8,946
240	64.5	11,436
300	70.0	13,925

Application :
For installation in the ground, indoors, cable trunking and outdoors if increased mechanical protection is required or where high-pulling stresses may occur during installation or 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 - 70 sqmm supplied in wooden drum @ 1000 m
95 - 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 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	28	31	0.21
2.5	7.41	9.449	0.304	38	42	0.36
4	4.61	5.878	0.275	49	55	0.57
6	3.08	3.927	0.263	62	69	0.86
10	1.83	2.334	0.248	85	92	1.43
16	1.15	1.467	0.238	113	119	2.29
25	0.727	0.927	0.240	151	154	3.58
35	0.524	0.669	0.233	186	184	5.01
50	0.387	0.494	0.232	218	211	7.15
70	0.268	0.342	0.229	272	258	10.01
95	0.193	0.247	0.224	334	309	13.59
120	0.153	0.196	0.223	387	350	17.16
150	0.124	0.160	0.224	450	396	21.45
185	0.0991	0.128	0.225	513	445	26.46
240	0.0754	0.099	0.223	606	514	34.32
300	0.0601	0.080	0.221	694	578	42.90

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

16533-04 Rev. 2.0 / 2009

N2XFGbY 5 x (1.5-50) mm² 0.6/1 kV

Cu / XLPE / SFWA / PVC

(Copper Conductor, XLPE Insulated, Galvanized Steel Flat Wire Armor, PVC Sheathed)

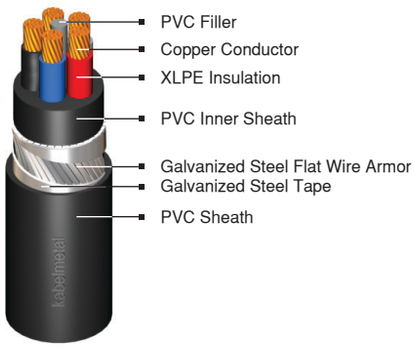
Standard Specification : IEC 60502-1

Construction Data

Nom. Cross Section Area	Overall Diameter	Cable Weight
	approx.	approx.
mm²	mm	kg/km
1.5	17.9	628
2.5	17.9	667
4	18.7	773
6	20.5	929
10	23.0	1,220
16	26.0	1,614
25	30.0	2,253
35	33.0	2,871
50	37.5	3,626

Application :
For installation in the ground, indoors, cable trunking and outdoors if increased mechanical protection is required or where high-pulling stresses may occur during installation or 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 - 50 sqmm supplied in wooden drum @ 1000 m
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	33	0.21
2.5	7.41	9.449	0.293	38	43	0.36
4	4.61	5.878	0.275	51	56	0.57
6	3.08	3.927	0.263	64	70	0.86
10	1.83	2.334	0.248	88	93	1.43
16	1.15	1.467	0.238	117	121	2.29
25	0.727	0.927	0.240	157	156	3.58
35	0.524	0.669	0.233	193	187	5.01
50	0.387	0.494	0.232	233	220	7.15

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

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