

NYA 1.5-300 mm² 450/750 V

Cu / PVC

(Copper Conductor, PVC Insulated)

Standard Specification : SNI 04-6629.3 : 2006, IEC 60227-3 : 1993 / AMD1 : 1997

Construction Data

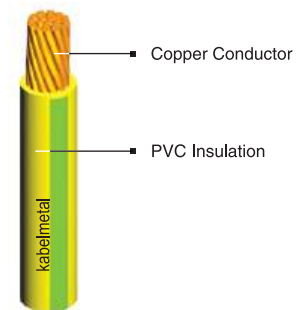
Nom. Cross Section Area	Overall Diameter	Cable Weight
	approx.	approx.
mm ²	mm	kg/km
1.5	3.1	22
2.5	3.7	34
4	4.3	50
6	4.8	70
10	6.2	117
16	7.2	173
25	9.0	277
35	10.1	369
50	12.1	513
70	13.8	709
95	16.0	958
120	17.6	1,183
150	19.5	1,448
185	22.0	1,835
240	25.5	2,413
300	28.0	2,958

Application :

For building wire installed in conduit in dry location and interwiring in switch board and control panel.

Special Features on Request :

- Tin Coated Copper Conductor
- Fire Resistance
- Oil Resistance
- Flame Retardant Cat. A, B, C
- Flame Retardant Non Category
- Heat Resistance
- Nylon Coated



Note :

Conductor Shape

1.5 - 10 sqmm supplied in solid (re) or non compacted circular stranded (rm) conductor shape

16 - 300 sqmm supplied in non compacted circular stranded (rm) conductor shape

Tin Coated Copper Conductor

Electrical properties for tin coated copper conductor will be submitted upon request

Standard Packing

1.5 - 16 sqmm supplied in coil @ 100 m

25 - 300 sqmm supplied in wooden drum @ 1000 m

Length Tolerance per drum $\pm 2\%$

Electrical Data

Nom. Cross Sect.	Conductor		Insulation	Inductance	Current - Carrying Capacity at 30°C *		Short circuit current at 1 sec
	DC Resistance at 20°C	AC Resistance at 70°C	Insulation Resistance at 70°C		in pipe	in air	
	Max. (Ω/km)	Max. (Ω/km)	Min. (M.Ω.km)		Max. (A)	Max. (A)	Max. (kA)
(mm ²)				(mH/km)			
1.5	12.1	14.478	0.0100	0.320	15	24	0.17
2.5	7.41	8.866	0.0090	0.309	19	32	0.29
4	4.61	5.516	0.0077	0.290	25	42	0.46
6	3.08	3.685	0.0065	0.276	33	54	0.69
10	1.83	2.190	0.0065	0.274	45	73	1.15
16	1.15	1.376	0.0050	0.260	61	98	1.84
25	0.727	0.870	0.0050	0.257	83	129	2.88
35	0.524	0.627	0.0040	0.249	103	158	4.03
50	0.387	0.464	0.0045	0.248	132	197	5.75
70	0.268	0.321	0.0035	0.240	165	245	8.05
95	0.193	0.232	0.0035	0.239	207	290	10.93
120	0.153	0.184	0.0032	0.235	235	345	13.80
150	0.124	0.150	0.0032	0.235	-	390	17.25
185	0.0991	0.121	0.0032	0.235	-	445	21.28
240	0.0754	0.093	0.0032	0.233	-	525	27.60
300	0.0601	0.075	0.0030	0.232	-	605	34.50

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

NYM 3 x (1.5-35) mm² 300/500 V

Cu / PVC / PVC

(Copper Conductor, PVC Insulated, PVC Sheathed)

Standard Specification : SNI 04-6629.4 : 2006, IEC 60227-4 : 1992 / AMD1 : 1997

Construction Data

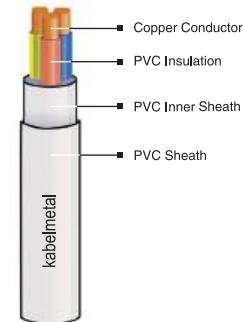
Nom. Cross Section Area	Overall Diameter	Cable Weight
	approx.	approx.
mm ²	mm	kg/km
1.5	10.0	136
2.5	11.0	186
4	12.0	246
6	13.5	335
10	17.0	527
16	20.5	816
25	24.5	1,229
35	27.5	1,601

APPLICATION :

For building wire installed in conduit in dry location and interwiring in switch board and control panel, inherently flame retardant in compliance with IEC 60332-1.

Special Features on Request

- Tin Coated Copper Conductor
- Fire Resistance
- Oil Resistance
- Flame Retardant Cat. A, B, C
- Heat Resistance
- Nylon Coated



Note :

Conductor Shaped

1.5 - 10 sqmm supplied in solid (re) or non compacted circular stranded (rm) conductor shape
16 - 35 sqmm supplied in non compacted circular stranded (rm) conductor shape

Tin Coated Copper Conductor

Electrical properties for tin coated copper conductor will be submitted upon request

Standard Packing

1.5 - 4 sqmm supplied in coil @ 100 m or in wooden drum @ 1000/2000 m
6 - 35 sqmm supplied in wooden drum @ 1000 m
Length tolerance per drum ±2%.

Electrical Data

Conductor			Insulation	Inductance	Current-Carrying Capacity at 30° C * in air Max. (A)	Short circuit current at 1 sec Max. (kA)
Nom. Cross Sect. (mm ²)	DC Resistance at 20° C Max. (Ω/km)	AC Resistance at 70° C Max. (Ω/km)	Insulation Resistance at 70° C Min. (M.Ω.km)			
1.5	12.1	14.478	0.010	0.329	19	0.17
2.5	7.41	8.866	0.009	0.318	25	0.29
4	4.61	5.516	0.0077	0.297	34	0.46
6	3.08	3.685	0.0065	0.281	44	0.69
10	1.83	2.190	0.0065	0.278	61	1.15
16	1.15	1.376	0.0052	0.255	82	1.84
25	0.727	0.870	0.0050	0.252	108	2.88
35	0.524	0.627	0.0044	0.244	134	4.03

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

NYM 4 x (1.5-35) mm² 300/500 V

Cu / PVC / PVC

(Copper Conductor, PVC Insulated, PVC Sheathed)

Standard Specification : SNI 04-6629.4 : 2006, IEC 60227-4 : 1992 / AMD1 : 1997

Construction Data

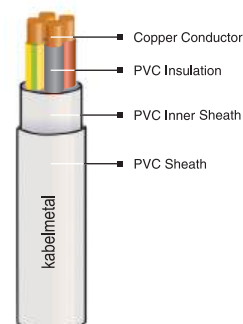
Nom. Cross Section Area	Overall Diameter	Cable Weight
	approx.	approx.
mm ²	mm	kg/km
1.5	10.5	161
2.5	12.0	224
4	13.5	311
6	15.5	424
10	18.5	648
16	22.5	1,027
25	27.5	1,579
35	30.0	2,026

APPLICATION :

For building wire installed in conduit in dry location and interwiring in switch board and control panel, inherently flame retardant in compliance with IEC 60332-1.

Special Features on Request

- Tin Coated Copper Conductor
- Fire Resistance
- Oil Resistance
- Flame Retardant Cat. A, B, C
- Heat Resistance
- Nylon Coated



Note :

Conductor Shaped

1.5 - 10 sqmm supplied in solid (re) or non compacted circular stranded (rm) conductor shape
16 - 35 sqmm supplied in non compacted circular stranded (rm) conductor shape

Tin Coated Copper Conductor

Electrical properties for tin coated copper conductor will be submitted upon request

Standard Packing

1.5 - 2.5 sqmm supplied in coil @ 100 m or in wooden drum @ 1000/2000 m
4 - 35 sqmm supplied in wooden drum @ 1000 m
Length tolerance per drum $\pm 2\%$.

Electrical Data

Conductor			Insulation	Inductance	Current-Carrying Capacity at 30° C * in air Max. (A)	Short circuit current at 1 sec Max. (kA)
Nom. Cross Sect. (mm ²)	DC Resistance at 20° C Max. (Ω /km)	AC Resistance at 70° C Max. (Ω /km)	Insulation Resistance at 70° C Min. (M. Ω .km)			
1.5	12.1	14.478	0.010	0.329	19	0.17
2.5	7.41	8.866	0.009	0.318	25	0.29
4	4.61	5.516	0.0077	0.297	34	0.46
6	3.08	3.685	0.0065	0.281	44	0.69
10	1.83	2.190	0.0065	0.278	61	1.15
16	1.15	1.376	0.0052	0.255	82	1.84
25	0.727	0.870	0.0050	0.252	108	2.88
35	0.524	0.627	0.0044	0.244	134	4.03

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

NYRGbY 2 x (1.5-300) mm² 0.6/1 kV

Cu / PVC / SWA / PVC

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

Standard Specification : SNI IEC 60502-1 : 2009, IEC 60502-1 : 2004 / AMD1 : 2009

Construction Data

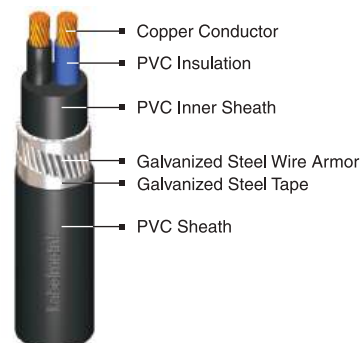
Nom. Cross Section Area	Overall Diameter	Cable Weight
mm ²	approx. mm	approx. kg/km
1.5	13.9	370
2.5	14.7	418
4	16.5	530
6	18.3	709
10	19.9	860
16	23.0	1,155
25	26.8	1,651
35	28.9	1,979
50	32.6	2,423
70	37.1	3,303
95	41.9	4,217
120	45.2	4,925
150	50.7	6,268
185	56.1	7,540
240	61.7	9,285
300	67.1	11,076

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 :

- Tin Coated Copper Conductor
- 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



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

Tin Coated Copper Conductor

Electrical properties for tin coated copper conductor will be submitted upon request

Standard Packing

1.5 - 70 sqmm supplied in wooden drum @ 1000 m

95 - 300 sqmm will be supplied in wooden drum on available length

Length Tolerance per drum ± 2%

Electrical Data

Nom. Cross Sect. (mm ²)	Conductor		Inductance (mH/km)	Current - Carrying Capacity at 30°C *		Short circuit current at 1 sec (kA)
	DC Resistance at 20°C	AC Resistance at 70°C		in air	in ground	
	Max. (Ω/km)	Max. (Ω/km)		Max. (A)	Max. (A)	
1.5	12.1	14.5	0.343	22	26	0.17
2.5	7.41	8.87	0.318	29	34	0.29
4	4.61	5.52	0.317	39	45	0.46
6	3.08	3.69	0.298	50	56	0.69
10	1.83	2.190	0.269	66	78	1.15
16	1.15	1.376	0.255	90	102	1.84
25	0.727	0.870	0.255	120	134	2.88
35	0.524	0.627	0.246	150	160	4.03
50	0.387	0.464	0.247	180	187	5.75
70	0.268	0.321	0.238	230	230	8.05
95	0.193	0.232	0.238	275	280	10.93
120	0.153	0.184	0.233	320	320	13.80
150	0.124	0.150	0.233	375	355	17.25
185	0.0991	0.121	0.233	430	409	21.28
240	0.0754	0.093	0.232	510	472	27.60
300	0.0601	0.075	0.231	590	525	34.50

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

NYRGbY 3 x (1.5-300) mm² 0.6/1 kV

Cu / PVC / SWA / PVC

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

Standard Specification : SNI IEC 60502-1 : 2009, IEC 60502-1 : 2004 / AMD1 : 2009

Construction Data

Nom. Cross Section Area	Overall Diameter	Cable Weight
mm ²	approx. mm	approx. kg/km
1.5	14.4	399
2.5	15.2	462
4	17.9	683
6	19.1	790
10	20.8	988
16	24.2	1,353
25	28.2	1,955
35	30.4	2,371
50	33.8	2,754
70	38.4	3,789
95	42.7	4,801
120	45.6	5,637
150	51.4	7,195
185	56.1	8,628
240	62.4	10,801
300	67.9	12,924

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 :

- Tin Coated Copper Conductor
- 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

Tin Coated Copper Conductor

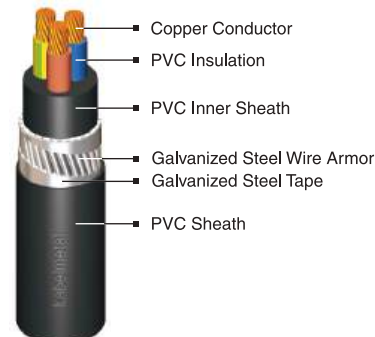
Electrical properties for tin coated copper conductor will be submitted upon request

Standard Packing

1.5 - 70 sqmm supplied in wooden drum @ 1000 m

95 - 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	
	Max. (Ω/km)	Max. (Ω/km)				
(mm²)			(mH/km)			Max. (kA)
1.5	12.1	14.5	0.343	20	24	0.17
2.5	7.41	8.87	0.318	26	31	0.29
4	4.61	5.52	0.317	35	41	0.46
6	3.08	2.69	0.298	45	51	0.69
10	1.83	2.190	0.269	60	69	1.15
16	1.15	1.376	0.255	80	89	1.84
25	0.727	0.870	0.255	105	116	2.88
35	0.524	0.627	0.246	130	138	4.03
50	0.387	0.464	0.247	160	165	5.75
70	0.268	0.321	0.238	200	205	8.05
95	0.193	0.232	0.238	245	245	10.93
120	0.153	0.184	0.233	285	285	13.80
150	0.124	0.150	0.233	325	315	17.25
185	0.0991	0.121	0.233	370	355	21.28
240	0.0754	0.093	0.232	435	415	27.60
300	0.0601	0.075	0.231	500	465	34.50

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

NYRGbY 4 x (1.5-300) mm² 0.6/1 kV

Cu / PVC / SWA / PVC

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

Standard Specification : SNI IEC 60502-1 : 2009, IEC 60502-1 : 2004 / AMD1 : 2009

Construction Data

Nom. Cross Section Area	Overall Diameter	Cable Weight
	approx.	approx.
mm ²	mm	kg/km
1.5	15.2	448
2.5	16.1	552
4	19.0	770
6	20.3	909
10	22.3	1,165
16	26.8	1,743
25	30.5	2,336
35	33.2	2,867
50	39.0	3,717
70	43.2	4,734
95	49.0	6,459
120	53.0	7,639
150	58.4	9,137
185	64.2	11,046
240	71.2	13,927
300	79.2	17,596

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 :

- Tin Coated Copper Conductor
- 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

Tin Coated Copper Conductor

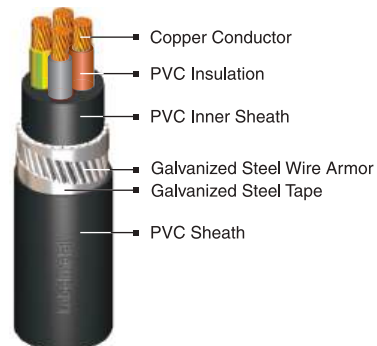
Electrical properties for tin coated copper conductor will be submitted upon request

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

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)	
(mm ²)			(mH/km)			Max. (kA)
1.5	12.1	14.5	0.343	20	24	0.17
2.5	7.41	8.87	0.318	26	31	0.29
4	4.61	5.52	0.317	35	41	0.46
6	3.08	3.69	0.298	45	51	0.69
10	1.83	2.190	0.269	60	69	1.15
16	1.15	1.376	0.255	80	89	1.84
25	0.727	0.870	0.255	105	116	2.88
35	0.524	0.627	0.246	130	138	4.03
50	0.387	0.464	0.247	160	165	5.75
70	0.268	0.321	0.238	200	205	8.05
95	0.193	0.232	0.238	245	245	10.93
120	0.153	0.184	0.233	285	285	13.80
150	0.124	0.150	0.233	325	315	17.25
185	0.0991	0.121	0.233	370	355	21.28
240	0.0754	0.093	0.232	435	415	27.60
300	0.0601	0.075	0.231	500	465	34.50

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

NYRGbY 5 x (1.5-50) mm² 0.6/1 kV

Cu / PVC / SWA / PVC

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

Standard Specification : SNI IEC 60502-1 : 2009, IEC 60502-1 : 2004 / AMD1 : 2009

Construction Data

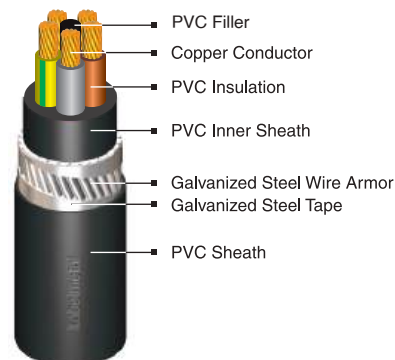
Nom. Cross Section Area	Overall Diameter	Cable Weight
	approx.	approx.
mm ²	mm	kg/km
1.5	16.1	500
2.5	17.1	592
4	20.3	881
6	21.7	1045
10	24.7	1,482
16	28.9	2,037
25	33.2	2,756
35	37.1	3,646
50	42.4	4,497

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 :

- Tin Coated Copper Conductor
- 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

Tin Coated Copper Conductor

Electrical properties for tin coated copper conductor will be submitted upon request

Standard Packing

1.5 - 35 sqmm supplied in wooden drum @ 1000 m
50 sqmm will be supplied in wooden drum on available length
Length Tolerance per drum $\pm 2\%$

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)	
(mm ²)			(mH/km)			Max. (kA)
1.5	12.1	14.5	0.343	20	24	0.17
2.5	7.41	8.87	0.318	26	31	0.29
4	4.61	5.52	0.317	35	41	0.46
6	3.08	3.69	0.298	45	51	0.69
10	1.83	2.190	0.269	60	69	1.15
16	1.15	1.376	0.255	80	89	1.84
25	0.727	0.870	0.255	105	116	2.88
35	0.524	0.627	0.246	130	138	4.03
50	0.387	0.463	0.247	160	165	5.75

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

NYFGbY 2 x (1.5-300) mm² 0.6/1 kV

Cu / PVC / SFWA / PVC

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

Standard Specification : SNI IEC 60502-1 : 2009, IEC 60502-1 : 2004 / AMD1 : 2009

Construction Data

Nom. Cross Section Area	Overall Diameter	Cable Weight
	approx.	approx.
mm ²	mm	kg/km
1.5	17.9	611
2.5	18.0	630
4	17.8	648
6	18.1	687
10	20.5	881
16	22.5	1,085
25	25.5	1,428
35	27.5	1,753
50	31.0	2,120
70	35.0	2,716
95	39.5	3,528
120	43.0	4,177
150	47.0	5,012
185	52.0	6,116
240	58.0	7,695
300	64.0	9,384

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 :

- Tin Coated Copper Conductor
- 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

Tin Coated Copper Conductor

Electrical properties for tin coated copper conductor will be submitted upon request

Standard Packing

1.5 - 95 sqmm supplied in wooden drum @ 1000 m

120 - 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)	Max. (Ω/km)	Max. (Ω/km)	(mH/km)	Max. (A)	Max. (A)	Max. (kA)
1.5	12.1	14.478	0.351	24	27	0.17
2.5	7.41	8.866	0.315	32	36	0.29
4	4.61	5.516	0.303	42	48	0.46
6	3.08	3.685	0.288	53	61	0.69
10	1.83	2.190	0.269	73	81	1.15
16	1.15	1.376	0.255	96	106	1.84
25	0.727	0.870	0.255	126	136	2.88
35	0.524	0.627	0.246	155	164	4.03
50	0.387	0.464	0.247	186	194	5.75
70	0.268	0.321	0.238	235	239	8.05
95	0.193	0.232	0.238	286	284	10.93
120	0.153	0.184	0.233	331	324	13.80
150	0.124	0.150	0.233	377	364	17.25
185	0.0991	0.121	0.233	430	408	21.28
240	0.0754	0.093	0.232	507	472	27.60
300	0.0601	0.075	0.231	577	530	34.50

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

NYFGbY 3 x (1.5-300) mm² 0.6/1 kV

Cu / PVC / SFWA / PVC

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

Standard Specification : SNI IEC 60502-1 : 2009, IEC 60502-1 : 2004 / AMD1 : 2009

Construction Data

Nom. Cross Section Area	Overall Diameter	Cable Weight
	approx.	approx.
mm ²	mm	kg/km
1.5	17.8	620
2.5	18.0	648
4	18.0	681
6	19.0	789
10	21.5	997
16	23.5	1,280
25	27.0	1,709
35	29.5	2,123
50	32.0	2,444
70	36.0	3,217
95	40.5	4,171
120	43.5	4,957
150	48.0	6,011
185	52.5	7,319
240	59.0	9,324
300	64.5	11,344

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 :

- Tin Coated Copper Conductor
- 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

Tin Coated Copper Conductor

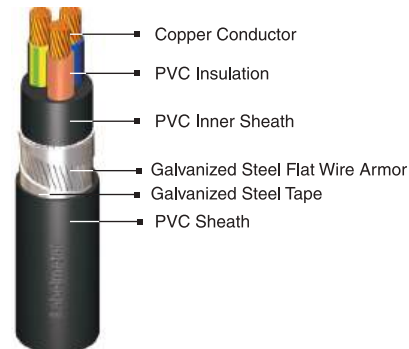
Electrical properties for tin coated copper conductor will be submitted upon request

Standard Packing

1.5 - 70 sqmm supplied in wooden drum @ 1000 m

95 - 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	0.351	20	23	0.17
2.5	7.41	8.866	0.315	27	31	0.29
4	4.61	5.516	0.303	36	41	0.46
6	3.08	3.685	0.288	45	52	0.69
10	1.83	2.190	0.269	62	69	1.15
16	1.15	1.376	0.255	82	90	1.84
25	0.727	0.870	0.255	108	116	2.88
35	0.524	0.627	0.246	133	139	4.03
50	0.387	0.464	0.247	166	171	5.75
70	0.268	0.321	0.238	208	209	8.05
95	0.193	0.232	0.238	255	250	10.93
120	0.153	0.184	0.233	295	284	13.80
150	0.124	0.150	0.233	337	318	17.25
185	0.0991	0.121	0.233	387	359	21.28
240	0.0754	0.093	0.232	457	414	27.60
300	0.0601	0.075	0.231	523	466	34.50

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

NYFGbY 4 x (1.5-300) mm² 0.6/1 kV

Cu / PVC / SFWA / PVC

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

Standard Specification : SNI IEC 60502-1 : 2009, IEC 60502-1 : 2004 / AMD1 : 2009

Construction Data

Nom. Cross Section Area	Overall Diameter	Cable Weight
	approx.	approx.
mm ²	mm	kg/km
1.5	17.9	630
2.5	18.0	662
4	19.0	773
6	20.5	912
10	23.0	1,174
16	25.5	1,520
25	29.0	2,053
35	32.0	2,584
50	37.5	3,173
70	40.5	4,087
95	46.5	5,359
120	50.5	6,459
150	56.5	7,868
185	61.0	9,556
240	68.0	12,138
300	74.5	14,773

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 :

- Tin Coated Copper Conductor
- 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

Tin Coated Copper Conductor

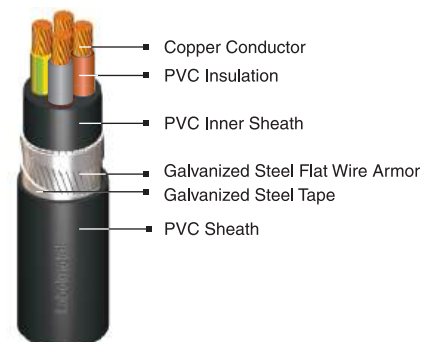
Electrical properties for tin coated copper conductor will be submitted upon request

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 70°C		in air	in ground	
(mm²)	Max. (Ω/km)	Max. (Ω/km)		(mH/km)	Max. (A)	Max. (A)
1.5	12.1	14.478	0.340	23	27	0.17
2.5	7.41	8.866	0.315	31	36	0.29
4	4.61	5.516	0.303	41	48	0.46
6	3.08	3.685	0.288	52	59	0.69
10	1.83	2.190	0.269	71	79	1.15
16	1.15	1.376	0.255	94	101	1.84
25	0.727	0.870	0.255	126	131	2.88
35	0.524	0.627	0.246	154	157	4.03
50	0.387	0.464	0.247	177	176	5.75
70	0.268	0.321	0.238	221	215	8.05
95	0.193	0.232	0.238	272	257	10.93
120	0.153	0.184	0.233	314	292	13.80
150	0.124	0.150	0.233	363	330	17.25
185	0.0991	0.121	0.233	412	369	21.28
240	0.0754	0.093	0.232	488	427	27.60
300	0.0601	0.075	0.231	559	481	34.50

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

NYFGbY 5 x (1.5-50) mm² 0.6/1 kV

Cu / PVC / SFWA / PVC

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

Standard Specification : SNI IEC 60502-1 : 2009, IEC 60502-1 : 2004 / AMD1 : 2009

Construction Data

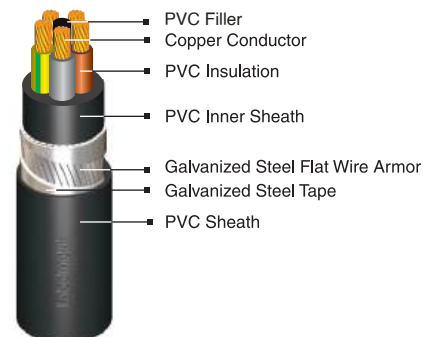
Nom. Cross Section Area	Overall Diameter	Cable Weight
	approx.	approx.
mm ²	mm	kg/km
1.5	17.8	642
2.5	17.9	682
4	20.5	891
6	22.0	1,056
10	24.5	1,391
16	27.5	1,778
25	32.0	2,463
35	35.0	3,106
50	40.0	3,904

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 :

- Tin Coated Copper Conductor
- 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

Tin Coated Copper Conductor

Electrical properties for tin coated copper conductor will be submitted upon request

Standard Packing

1.5 - 50 sqmm supplied in wooden drum @ 1000 m

Length Tolerance per drum $\pm 2\%$

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)	
(mm ²)			(mH/km)			Max. (kA)
1.5	12.1	14.478	0.340	24	28	0.17
2.5	7.41	8.866	0.304	32	37	0.29
4	4.61	5.516	0.303	43	48	0.46
6	3.08	3.685	0.288	54	60	0.69
10	1.83	2.190	0.269	74	80	1.15
16	1.15	1.376	0.255	97	103	1.84
25	0.727	0.870	0.255	130	133	2.88
35	0.524	0.627	0.246	160	159	4.03
50	0.387	0.464	0.247	194	188	5.75

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

NA2XY 1 x (10-800) mm² 0.6/1 kV

AI / XLPE / PVC

(Aluminium Conductor, XLPE Insulated, PVC Sheathed)

Standard Specification : SNI IEC 60502-1 : 2009, IEC 60502-1 : 2004 / AMD1 : 2009

Construction Data

Nom. Cross Section Area	Overall Diameter	Cable Weight
	approx.	approx.
mm ²	mm	kg/km
10	8.5	84
16	9.7	113
25	11.3	156
35	12.5	196
50	14.1	257
70	16.2	335
95	18.1	425
120	19.6	500
150	22.5	639
185	25.0	783
240	28.0	1,008
300	30.5	1,208
400	36.0	1,696
500	39.0	1,982
630	43.5	2,473
800	48.0	3,037

Application :

Power cable : Indoors, cable trunking, outdoors and buried in the ground, for power stations, industry and switchgear as well as for urban supply networks, if mechanical damage is unlikely.

Special Features on Request

- Oil Resistance
- UV Resistance
- Flame Retardant Cat. A, B, C
- Flame Retardant Non Category
- Anti Termite
- Anti Rodent
- Low Smoke Zero Halogen
- Nylon Coated

Note :

Conductor Shape

10 - 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

10 - 800 sqmm supplied in wooden drum @ 1000 m

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. (mm²)	DC Resistance @ 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)			(mH/km)	(mH/km)	Max. (A)	Max. (A)	
10	3.08	3.942	0.336	0.602	60	69	80	76	0.94
16	1.91	2.445	0.314	0.580	80	90	106	99	1.50
25	1.20	1.536	0.303	0.569	109	116	142	128	2.35
35	0.868	1.111	0.289	0.555	134	139	175	153	3.29
50	0.641	0.821	0.281	0.547	163	165	212	182	4.70
70	0.443	0.567	0.271	0.537	209	203	270	224	6.58
95	0.320	0.410	0.263	0.529	259	244	333	269	8.93
120	0.253	0.325	0.259	0.525	303	278	388	307	11.28
150	0.206	0.265	0.259	0.525	350	311	444	345	14.10
185	0.164	0.211	0.256	0.522	407	354	516	393	17.39
240	0.1250	0.162	0.252	0.518	489	411	617	458	22.56
300	0.1000	0.130	0.249	0.515	566	464	713	520	28.20
400	0.0778	0.102	0.247	0.513	666	531	837	599	37.60
500	0.0605	0.081	0.245	0.511	785	607	988	691	47.00
630	0.0469	0.065	0.243	0.509	918	691	1160	796	59.22
800	0.0367	0.053	0.241	0.507	1062	778	1354	911	75.20

* Flat Formation spacing 2 times overall diameter of cable

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

NA2XY 2 x (10-300) mm² 0.6/1 kV

AI / XLPE / PVC

(Aluminium Conductor, XLPE Insulated, PVC Sheathed)

Standard Specification : SNI IEC 60502-1 : 2009, IEC 60502-1 : 2004 / AMD1 : 2009

Construction Data

Nom. Cross Section Area	Overall Diameter	Cable Weight
	approx.	approx.
mm ²	mm	kg/km
10	17.2	347
16	19.7	460
25	22.0	587
35	24.5	734
50	27.5	836
70	31.5	1,092
95	35.5	1,433
120	39.0	1,734
150	42.5	2,040
185	48.5	2,595
240	53.5	3,211
300	59.0	3,943

Application :

Power cable : Indoors, cable trunking, outdoors and buried in the ground, for power stations, industry and switchgear as well as for urban supply networks, if mechanical damage is unlikely.

Special Features on Request

- Oil Resistance
- UV Resistance
- Flame Retardant Cat. A, B, C
- Flame Retardant Non Category
- Anti Termite
- Anti Rodent
- Low Smoke Zero Halogen
- Nylon Coated



Note :

Conductor Shape

10 - 16 sqmm supplied in non compacted circular stranded (rm) conductor shape

25 - 300 sqmm supplied in compacted circular stranded (cm) conductor shape

Standard Packing

10 - 185 sqmm supplied in wooden drum @ 1000 m

240 - 300 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 90°C		in air	in ground	
	Max. (Ω/km)	Max. (Ω/km)		Max. (A)	Max. (A)	Max. (kA)
(mm ²)			(mH/km)			
10	3.08	3.949	0.248	67	75	0.94
16	1.91	2.449	0.236	91	100	1.50
25	1.20	1.539	0.242	119	128	2.35
35	0.868	1.113	0.234	147	154	3.29
50	0.641	0.822	0.232	179	183	4.70
70	0.443	0.568	0.229	227	226	6.58
95	0.320	0.411	0.224	277	270	8.93
120	0.253	0.325	0.223	322	308	11.28
150	0.206	0.265	0.225	364	344	14.10
185	0.164	0.211	0.225	425	391	17.39
240	0.125	0.162	0.223	501	454	22.56
300	0.100	0.130	0.222	574	511	28.20

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

NA2XY 3 x (10-300) mm² 0.6/1 kV

AI / XLPE / PVC

(Aluminium Conductor, XLPE Insulated, PVC Sheathed)

Standard Specification : SNI IEC 60502-1 : 2009, IEC 60502-1 : 2004 / AMD1 : 2009

Construction Data

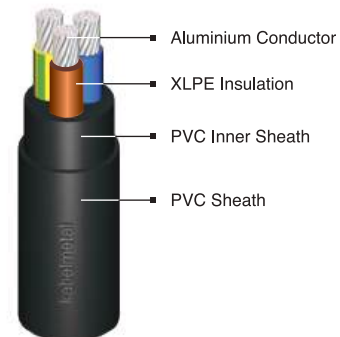
Nom. Cross Section Area	Overall Diameter	Cable Weight
	approx.	approx.
mm ²	mm	kg/km
10	18.0	382
16	21.0	510
25	23.5	660
35	26.0	830
50	28.0	828
70	32.5	1,126
95	36.0	1,422
120	39.0	1,716
150	44.0	2,113
185	48.5	2,577
240	54.5	3,279
300	59.0	3,963

Application :

Power cable : Indoors, cable trunking, outdoors and buried in the ground, for power stations, industry and switchgear as well as for urban supply networks, if mechanical damage is unlikely.

Special Features on Request

- Oil Resistance
- UV Resistance
- Flame Retardant Cat. A, B, C
- Flame Retardant Non Category
- Anti Termite
- Anti Rodent
- Low Smoke Zero Halogen
- Nylon Coated



Note :

Conductor Shape

10 - 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

10 - 185 sqmm supplied in wooden drum @ 1000 m

240 - 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)			
10	3.08	3.949	0.248	57	63	0.94
16	1.91	2.449	0.236	77	84	1.50
25	1.20	1.539	0.242	101	107	2.35
35	0.868	1.113	0.234	125	129	3.29
50	0.641	0.822	0.232	155	157	4.70
70	0.443	0.568	0.229	195	193	6.58
95	0.320	0.411	0.224	240	231	8.93
120	0.253	0.325	0.223	279	263	11.28
150	0.206	0.265	0.225	319	294	14.10
185	0.164	0.211	0.225	370	335	17.39
240	0.125	0.162	0.223	439	388	22.56
300	0.100	0.130	0.222	506	439	28.20

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

NA2XY 4 x (10-300) mm² 0.6/1 kV

AI / XLPE / PVC

(Aluminium Conductor, XLPE Insulated, PVC Sheathed)

Standard Specification : SNI IEC 60502-1 : 2009, IEC 60502-1 : 2004 / AMD1 : 2009

Construction Data

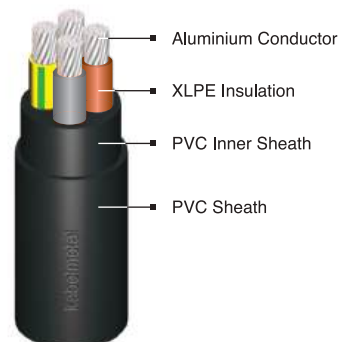
Nom. Cross Section Area	Overall Diameter	Cable Weight
	approx.	approx.
mm ²	mm	kg/km
10	19.5	446
16	23.0	601
25	25.5	787
35	28.5	994
50	32.5	1,058
70	36.5	1,431
95	40.5	1,820
120	45.5	2,275
150	51.5	2,749
185	56.0	3,336
240	62.5	4,243
300	68.0	5,131

Application :

Power cable : Indoors, cable trunking, outdoors and buried in the ground, for power stations, industry and switchgear as well as for urban supply networks, if mechanical damage is unlikely.

Special Features on Request

- Oil Resistance
- UV Resistance
- Flame Retardant Cat. A, B, C
- Flame Retardant Non Category
- Anti Termite
- Anti Rodent
- Low Smoke Zero Halogen
- Nylon Coated



Note :

Conductor Shape

10 - 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

10 - 120 sqmm supplied in wooden drum @ 1000 m

150 - 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)			
10	3.08	3.949	0.248	63	69	0.94
16	1.91	2.449	0.236	85	90	1.50
25	1.20	1.539	0.242	112	116	2.35
35	0.868	1.113	0.234	139	140	3.29
50	0.641	0.822	0.232	164	162	4.70
70	0.443	0.568	0.229	206	197	6.58
95	0.320	0.411	0.224	253	237	8.93
120	0.253	0.325	0.223	295	269	11.28
150	0.206	0.265	0.225	343	305	14.10
185	0.164	0.211	0.225	393	344	17.39
240	0.125	0.162	0.223	466	399	22.56
300	0.100	0.130	0.222	537	451	28.20

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

NA2XY 5 x (10-50) mm² 0.6/1 kV

AI / XLPE / PVC

(Aluminium Conductor, XLPE Insulated, PVC Sheathed)

Standard Specification : SNI IEC 60502-1 : 2009, IEC 60502-1 : 2004 / AMD1 : 2009

Construction Data

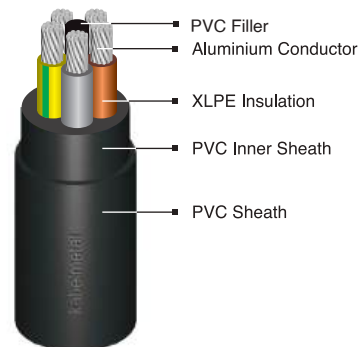
Nom. Cross Section Area	Overall Diameter	Cable Weight
	approx.	approx.
mm ²	mm	kg/km
10	21.5	521
16	24.5	709
25	27.5	935
35	31.0	1,187
50	36.0	1,479

Application :

Power cable : Indoors, cable trunking, outdoors and buried in the ground, for power stations, industry and switchgear as well as for urban supply networks, if mechanical damage is unlikely.

Special Features on Request

- Oil Resistance
- UV Resistance
- Flame Retardant Cat. A, B, C
- Flame Retardant Non Category
- Anti Termite
- Anti Rodent
- Low Smoke Zero Halogen
- Nylon Coated



Note :

Conductor Shape

10 - 16 sqmm supplied in non compacted circular stranded (rm) conductor shape

25 - 50 sqmm supplied in compacted circular stranded (cm) conductor shape

Standard Packing

10 - 50 sqmm supplied in wooden drum @ 1000 m

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 90°C		in air	in ground	
	Max. (Ω/km)	Max. (Ω/km)		Max. (A)	Max. (A)	
(mm ²)			(mH/km)			Max. (kA)
10	3.08	3.949	0.248	65	70	0.94
16	1.91	2.449	0.236	88	92	1.50
25	1.20	1.539	0.242	117	118	2.35
35	0.868	1.113	0.234	144	143	3.29
50	0.641	0.822	0.232	176	168	4.70

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

N2XS-Y 1 x (25-800) mm² 3.6/6 kV

Cu / XLPE / CTS / PVC

(Copper Conductor, XLPE Insulated, Copper Tape Screen, PVC Sheathed)

Standard Specification : SNI IEC 60502-2 : 2009, IEC 60502-2 : 2014

Construction Data

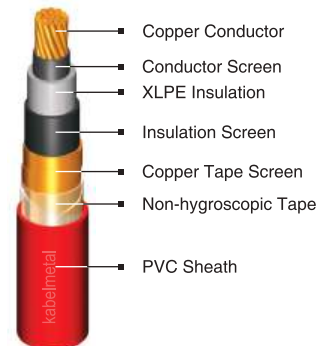
Nom. Cross Section Area	Overall Diameter	Cable Weight
	approx.	approx.
mm ²	mm	kg/km
25	17.1	531
35	18.2	646
50	19.2	777
70	21.0	1,005
95	22.5	1,276
120	24.5	1,519
150	25.5	1,759
185	27.5	2,131
240	30.5	2,711
300	33.0	3,308
400	36.5	4,116
500	40.5	5,192
630	44.0	6,567
800	47.7	8,270

Application :

For power stations and switchgear as well as stations because of small bending radius in confined spaces indoors. As underground because of light weight where installation conditions are difficult.

Special Features on Request

- Tin Coated Copper Conductor
- Oil Resistance
- UV Resistance
- Flame Retardant Cat. A, B, C
- Flame Retardant Non Category
- Anti Termite
- Anti Rodent
- Low Smoke Zero Halogen
- Nylon Coated



Note :

Conductor Shape

25 - 800 sqmm supplied in compacted circular stranded (cm) conductor shape

Tin Coated Copper Conductor

Electrical properties for tin coated copper conductor will be submitted upon request

Standard Packing

25 - 300 sqmm supplied in wooden drum @ 1000 m

400 - 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*)	⊗⊗⊗		⊙⊙⊙		Conductor	Screen
(mm²)	Max. (Ω/km)	Max. (Ω/km)			in air	in ground	in air	in ground	Max. (kA)	Max. (kA)
25	0.727	0.927	0.394	0.660	155	151	192	165	3.58	1.14
35	0.524	0.668	0.376	0.642	189	181	233	197	5.01	1.14
50	0.387	0.494	0.359	0.625	226	213	280	233	7.15	1.14
70	0.268	0.342	0.339	0.605	284	262	351	287	10.01	1.14
95	0.193	0.247	0.325	0.591	346	313	428	344	13.59	1.14
120	0.153	0.196	0.312	0.578	403	357	499	393	17.16	1.14
150	0.124	0.159	0.300	0.566	461	401	571	443	21.45	1.14
185	0.0991	0.128	0.292	0.558	529	452	656	501	26.46	1.14
240	0.0754	0.098	0.285	0.551	627	523	777	583	34.32	1.14
300	0.0601	0.080	0.280	0.546	723	590	897	662	42.90	1.14
400	0.0470	0.064	0.279	0.545	840	669	1041	756	57.20	1.14
500	0.0366	0.051	0.273	0.539	974	756	1217	867	71.50	1.14
630	0.0283	0.042	0.265	0.531	1124	850	1425	995	90.09	1.14
800	0.0221	0.035	0.262	0.527	1265	939	1630	1122	114.40	1.14

* Flat Formation spacing 2 times overall diameter of cable

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

N2XS-Y 1 x (25-800) mm² 6/10 kV

Cu / XLPE / CTS / PVC

(Copper Conductor, XLPE Insulated, Copper Tape Screen, PVC Sheathed)

Standard Specification : SNI IEC 60502-2 : 2009, IEC 60502-2 : 2014

Construction Data

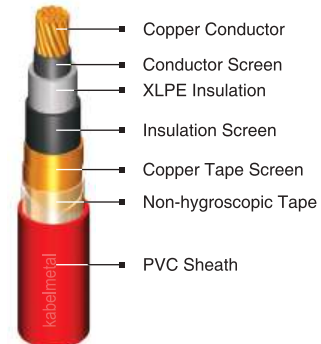
Nom. Cross Section Area	Overall Diameter	Cable Weight
	approx.	approx.
mm ²	mm	kg/km
25	18.9	594
35	20.5	712
50	21.5	846
70	23.0	1,078
95	24.5	1,353
120	26.0	1,559
150	27.5	1,853
185	29.5	2,218
240	32.0	2,794
300	34.0	3,334
400	37.5	4,163
500	41.0	5,217
630	44.5	6,595
800	48.1	8,301

Application :

For power stations and switchgear as well as stations because of small bending radius in confined spaces indoors. As underground because of light weight where installation conditions are difficult.

Special Features on Request

- Tin Coated Copper Conductor
- Oil Resistance
- UV Resistance
- Flame Retardant Cat. A, B, C
- Flame Retardant Non Category
- Anti Termite
- Anti Rodent
- Low Smoke Zero Halogen
- Nylon Coated



Note :

Conductor Shape

25 - 800 sqmm supplied in compacted circular stranded (cm) conductor shape

Tin Coated Copper Conductor

Electrical properties for tin coated copper conductor will be submitted upon request

Standard Packing

25 - 300 sqmm supplied in wooden drum @ 1000 m

400 - 800 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	Trefoil formation	Flat Formation*)					Conductor	Screen
(mm ²)	Max. (Ω/km)	Max. (Ω/km)	 (mH/km)	 (mH/km)	in air	in ground	in air	in ground	Max. (kA)	Max. (kA)
25	0.727	0.927	0.415	0.681	158	151	193	164	3.58	1.14
35	0.524	0.668	0.395	0.661	192	181	234	197	5.01	1.14
50	0.387	0.494	0.377	0.643	230	213	281	233	7.15	1.14
70	0.268	0.342	0.356	0.621	288	262	352	286	10.01	1.14
95	0.193	0.247	0.340	0.606	351	313	429	343	13.59	1.14
120	0.153	0.196	0.325	0.591	407	356	498	392	17.16	1.14
150	0.124	0.159	0.315	0.581	466	400	570	442	21.45	1.14
185	0.0991	0.128	0.307	0.573	534	452	654	500	26.46	1.14
240	0.0754	0.098	0.297	0.563	631	523	774	582	34.32	1.14
300	0.0601	0.079	0.288	0.554	727	590	894	661	42.90	1.14
400	0.0470	0.063	0.284	0.550	842	668	1038	756	57.20	1.14
500	0.0366	0.051	0.276	0.542	975	756	1214	867	71.50	1.14
630	0.0283	0.042	0.268	0.534	1125	850	1421	994	90.09	1.14
800	0.0221	0.035	0.263	0.529	1266	939	1627	1121	114.40	1.14

* Flat Formation spacing 2 times overall diameter of cable

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

N2XS-Y 1 x (25-800) mm² 8.7/15 kV

Cu / XLPE / CTS / PVC

(Copper Conductor, XLPE Insulated, Copper Tape Screen, PVC Sheathed)

Standard Specification : SNI IEC 60502-2 : 2009, IEC 60502-2 : 2014

Construction Data

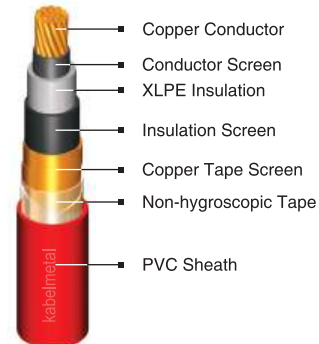
Nom. Cross Section Area	Overall Diameter	Cable Weight
	approx.	approx.
mm ²	mm	kg/km
25	21.5	678
35	22.5	799
50	23.5	936
70	25.0	1,134
95	27.0	1,423
120	28.5	1,673
150	30.0	1,974
185	32.0	2,345
240	34.0	2,875
300	36.5	3,475
400	40.0	4,317
500	43.5	5,384
630	47.0	6,775
800	50.5	8,498

Application :

For power stations and switchgear as well as stations because of small bending radius in confined spaces indoors. As underground because of light weight where installation conditions are difficult.

Special Features on Request

- Tin Coated Copper Conductor
- Oil Resistance
- UV Resistance
- Flame Retardant Cat. A, B, C
- Flame Retardant Non Category
- Anti Termite
- Anti Rodent
- Low Smoke Zero Halogen
- Nylon Coated



Note :

Conductor Shape

25 - 800 sqmm supplied in compacted circular stranded (cm) conductor shape

Tin Coated Copper Conductor

Electrical properties for tin coated copper conductor will be submitted upon request

Standard Packing

25 - 300 sqmm supplied in wooden drum @ 1000 m

400 - 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		Conductor	Screen
(mm²)	Max. (Ω/km)	Max. (Ω/km)			Max. (A)	Max. (A)	Max. (A)	Max. (A)	Max. (kA)	Max. (kA)
25	0.727	0.927	0.437	0.703	161	151	193	164	3.58	1.14
35	0.524	0.668	0.416	0.682	196	181	235	197	5.01	1.14
50	0.387	0.494	0.398	0.664	234	213	281	233	7.15	1.14
70	0.268	0.342	0.373	0.639	292	261	352	286	10.01	1.14
95	0.193	0.247	0.357	0.623	355	313	428	343	13.59	1.14
120	0.153	0.196	0.343	0.609	412	356	497	391	17.16	1.14
150	0.124	0.159	0.331	0.597	471	400	569	441	21.45	1.14
185	0.0991	0.128	0.323	0.589	539	451	652	499	26.46	1.14
240	0.0754	0.098	0.311	0.577	636	522	770	581	34.32	1.14
300	0.0601	0.079	0.301	0.567	732	590	890	660	42.90	1.14
400	0.0470	0.063	0.296	0.562	847	669	1033	755	57.20	1.14
500	0.0366	0.051	0.287	0.553	981	758	1207	866	71.50	1.14
630	0.0283	0.042	0.278	0.544	1132	854	1412	993	90.09	1.14
800	0.0221	0.035	0.273	0.539	1274	944	1614	1120	114.40	1.14

* Flat Formation spacing 2 times overall diameter of cable

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

N2XSY 1 x (35-800) mm² 12/20 kV

Cu / XLPE / CTS / PVC

(Copper Conductor, XLPE Insulated, Copper Tape Screen, PVC Sheathed)

Standard Specification : SNI IEC 60502-2 : 2009, IEC 60502-2 : 2014

Construction Data

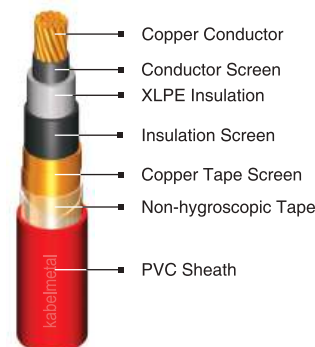
Nom. Cross Section Area	Overall Diameter	Cable Weight
	approx.	approx.
mm ²	mm	kg/km
35	24.5	884
50	25.5	984
70	27.5	1,236
95	29.0	1,518
120	30.5	1,786
150	32.0	2,078
185	34.0	2,414
240	36.5	3,004
300	38.5	3,595
400	42.0	4,447
500	45.5	5,523
630	49.0	6,926
800	52.7	8,688

Application :

For power stations and switchgear as well as stations because of small bending radius in confined spaces indoors. As underground because of light weight where installation conditions are difficult.

Special Features on Request

- Tin Coated Copper Conductor
- Oil Resistance
- UV Resistance
- Flame Retardant Cat. A, B, C
- Flame Retardant Non Category
- Anti Termite
- Anti Rodent
- Low Smoke Zero Halogen
- Nylon Coated



Note :

Conductor Shape

35 - 800 sqmm supplied in compacted circular stranded (cm) conductor shape

Tin Coated Copper Conductor

Electrical properties for tin coated copper conductor will be submitted upon request

Standard Packing

35 - 300 sqmm supplied in wooden drum @ 1000 m

400 - 800 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	Trefoil formation	Flat Formation*)	in air		in ground		Conductor	Screen
	Max. (Ω/km)	Max. (Ω/km)			Max. (A)	Max. (A)	Max. (A)	Max. (A)	Max. (kA)	Max. (kA)
(mm ²)			(mH/km)	(mH/km)						
35	0.524	0.668	0.434	0.700	198	181	235	196	5.01	1.14
50	0.387	0.494	0.413	0.679	237	213	281	232	7.15	1.14
70	0.268	0.342	0.389	0.655	295	261	352	285	10.01	1.14
95	0.193	0.247	0.373	0.639	359	312	428	342	13.59	1.14
120	0.153	0.196	0.359	0.625	416	355	496	390	17.16	1.14
150	0.124	0.159	0.345	0.611	475	400	567	440	21.45	1.14
185	0.0991	0.128	0.335	0.601	542	451	648	498	26.46	1.14
240	0.0754	0.098	0.323	0.589	640	522	767	580	34.32	1.14
300	0.0601	0.079	0.313	0.579	736	590	886	659	42.90	1.14
400	0.0470	0.063	0.307	0.573	851	669	1027	754	57.20	1.14
500	0.0366	0.051	0.297	0.563	985	759	1199	864	71.50	1.14
630	0.0283	0.041	0.287	0.553	1137	855	1402	991	90.09	1.14
800	0.0221	0.034	0.281	0.547	1280	947	1603	1119	114.40	1.14

* Flat Formation spacing 2 times overall diameter of cable

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

N2XSYP 1 x (50-800) mm² 18/30 kV

Cu / XLPE/ CTS / PVC

(Copper Conductor, XLPE Insulated, Copper Tape Screen, PVC Sheathed)

Standard Specification : SNI IEC 60502-2 : 2009, IEC 60502-2 : 2014

Construction Data

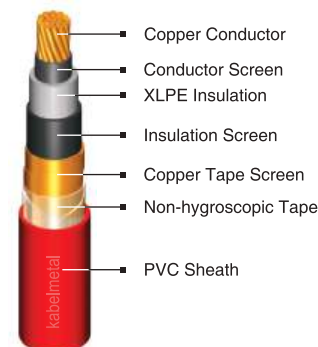
Nom. Cross Section Area	Overall Diameter	Cable Weight
	approx.	approx.
mm ²	mm	kg/km
50	31.0	1,249
70	33.0	1,517
95	34.5	1,756
120	36.0	2,036
150	37.5	2,337
185	39.5	2,741
240	42.0	3,334
300	44.0	3,961
400	47.5	4,841
500	51.0	5,945
630	54.5	7,378
800	57.9	9,156

Application :

For power stations and switchgear as well as stations because of small bending radius in confined spaces indoors. As underground because of light weight where installation conditions are difficult.

Special Features on Request

- Tin Coated Copper Conductor
- Oil Resistance
- UV Resistance
- Flame Retardant Cat. A, B, C
- Flame Retardant Non Category
- Anti Termite
- Anti Rodent
- Low Smoke Zero Halogen
- Nylon Coated



Note :

Conductor Shape

50 - 800 sqmm supplied in compacted circular stranded (cm) conductor shape

Tin Coated Copper Conductor

Electrical properties for tin coated copper conductor will be submitted upon request

Standard Packing

50 - 300 sqmm supplied in wooden drum @ 1000 m

400 - 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	Conductor	Screen
(mm ²)	Max. (Ω/km)	Max. (Ω/km)	(mH/km)	(mH/km)	Max. (A)	Max. (A)	Max. (A)	Max. (A)	Max. (kA)	Max. (kA)
50	0.387	0.494	0.453	0.719	242	213	281	231	7.15	1.14
70	0.268	0.342	0.426	0.692	301	261	351	284	10.01	1.14
95	0.193	0.247	0.408	0.674	365	311	425	340	13.59	1.14
120	0.153	0.196	0.390	0.656	422	355	492	389	17.16	1.14
150	0.124	0.159	0.376	0.642	481	399	562	439	21.45	1.14
185	0.0991	0.128	0.365	0.631	549	450	643	497	26.46	1.14
240	0.0754	0.098	0.351	0.617	646	522	759	578	34.32	1.14
300	0.0601	0.079	0.339	0.605	743	590	875	657	42.90	1.14
400	0.0470	0.063	0.332	0.597	858	670	1013	751	57.20	1.14
500	0.0366	0.051	0.320	0.586	992	760	1181	861	71.50	1.14
630	0.0283	0.041	0.308	0.574	1144	859	1378	988	90.09	1.14
800	0.0221	0.034	0.301	0.566	1290	954	1575	1116	114.40	1.14

* Flat Formation spacing 2 times overall diameter of cable

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

N2XSEBY 3 x (25-300) mm² 3.6/6 kV

Cu / XLPE / CTS / PVC / STA / PVC

(Copper Conductor, XLPE Insulated, Copper Tape Screen, Galvanized Steel Tape Armor, PVC Sheathed)

Standard Specification : SNI IEC 60502-2 : 2009, IEC 60502-2 : 2014

Construction Data

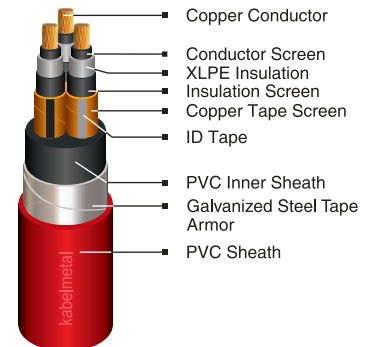
Nom. Cross Section Area	Overall Diameter	Cable Weight
	approx.	approx.
mm ²	mm	kg/km
25	38.5	2,417
35	41.0	2,865
50	44.0	3,391
70	48.0	4,272
95	51.5	5,266
120	55.5	6,232
150	59.0	7,271
185	63.0	8,585
240	69.0	10,679
300	75.5	12,965

Application :

For installation indoor, in ground direct burried, for power station and switchgear, if there is a risk that low mechanical damage may occur.

Special Features on Request

- Tin Coated Copper Conductor
- 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

25 - 300 sqmm supplied in compacted circular stranded (cm) conductor shape

Tin Coated Copper Conductor

Electrical properties for tin coated copper conductor will be submitted upon request

Standard Packing

25 - 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	Conductor	Screen
(mm ²)	Max. (Ω/km)	Max. (Ω/km)		Max. (A)	Max. (A)	Max. (kA)	Max. (kA)
25	0.727	0.927	0.342	152	146	3.58	1.03
35	0.524	0.668	0.325	184	175	5.01	1.03
50	0.387	0.494	0.313	219	206	7.15	1.03
70	0.268	0.342	0.296	273	251	10.01	1.03
95	0.193	0.247	0.285	330	299	13.59	1.03
120	0.153	0.196	0.276	379	339	17.16	1.03
150	0.124	0.160	0.268	430	380	21.45	1.03
185	0.0991	0.128	0.262	491	427	26.46	1.03
240	0.0754	0.099	0.255	575	492	34.32	1.37
300	0.0601	0.080	0.252	651	549	42.90	1.37

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

N2XSEBY 3 x (25-300) mm² 6/10 kV

Cu / XLPE / CTS / PVC / STA / PVC

(Copper Conductor, XLPE Insulated, Copper Tape Screen, Galvanized Steel Tape Armor, PVC Sheathed)

Standard Specification : SNI IEC 60502-2 : 2009, IEC 60502-2 : 2014

Construction Data

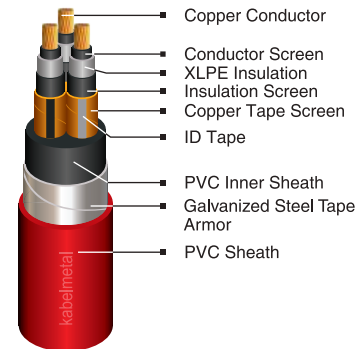
Nom. Cross Section Area	Overall Diameter approx.	Cable Weight approx.
mm ²	mm	kg/km
25	43.0	2,767
35	46.0	3,279
50	48.5	3,799
70	52.5	4,687
95	56.5	5,753
120	60.0	6,690
150	63.5	7,761
185	67.5	9,091
240	73.0	11,235
300	78.0	13,326

Application :

For installation indoor, in ground direct buried, for power station and switchgear, if there is a risk that low mechanical damage may occur.

Special Features on Request

- Tin Coated Copper Conductor
- 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

25 - 300 sqmm supplied in compacted circular stranded (cm) conductor shape

Tin Coated Copper Conductor

Electrical properties for tin coated copper conductor will be submitted upon request

Standard Packing

25 - 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	Conductor	Screen
	Max. (Ω/km)	Max. (Ω/km)		Max. (A)	Max. (A)	Max. (kA)	Max. (kA)
(mm ²)			(mH/km)				
25	0.727	0.927	0.368	154	146	3.58	1.03
35	0.524	0.668	0.349	186	175	5.01	1.03
50	0.387	0.494	0.335	222	205	7.15	1.03
70	0.268	0.342	0.316	276	251	10.01	1.03
95	0.193	0.247	0.303	333	299	13.59	1.03
120	0.153	0.196	0.293	382	339	17.16	1.03
150	0.124	0.160	0.284	433	380	21.45	1.03
185	0.0991	0.128	0.277	493	427	26.46	1.37
240	0.0754	0.099	0.267	576	491	34.32	1.37
300	0.0601	0.080	0.261	654	550	42.90	1.37

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

N2XSEBY 3 x (25-300) mm² 8.7/15 kV

Cu / XLPE / CTS / PVC / STA / PVC

(Copper Conductor, XLPE Insulated, Copper Tape Screen, Galvanized Steel Tape Armor, PVC Sheathed)

Standard Specification : SNI IEC 60502-2 : 2009, IEC 60502-2 : 2014

Construction Data

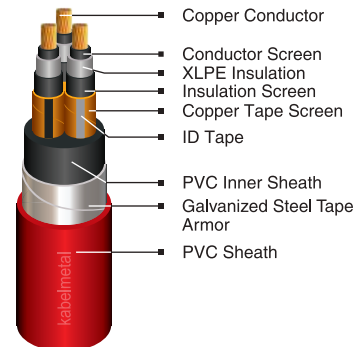
Nom. Cross Section Area	Overall Diameter	Cable Weight
	approx.	approx.
mm ²	mm	kg/km
25	48.5	3,293
35	51.0	3,790
50	53.5	4,324
70	58.0	5,310
95	61.5	6,354
120	65.0	7,321
150	69.0	8,412
185	73.0	9,854
240	78.5	11,980
300	85.0	14,914

Application :

For installation indoor, in ground direct burried, for power station and switchgear, if there is a risk that low mechanical damage may occur.

Special Features on Request

- Tin Coated Copper Conductor
- 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

25 - 300 sqmm supplied in compacted circular stranded (cm) conductor shape

Tin Coated Copper Conductor

Electrical properties for tin coated copper conductor will be submitted upon request

Standard Packing

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	Conductor	Screen
(mm ²)	Max. (Ω/km)	Max. (Ω/km)		Max. (A)	Max. (A)	Max. (kA)	Max. (kA)
25	0.727	0.927	0.395	156	146	3.58	1.03
35	0.524	0.668	0.374	189	174	5.01	1.03
50	0.387	0.494	0.359	224	205	7.15	1.03
70	0.268	0.342	0.338	278	250	10.01	1.03
95	0.193	0.247	0.324	336	298	13.59	1.03
120	0.153	0.196	0.312	385	339	17.16	1.03
150	0.124	0.159	0.302	436	379	21.45	1.37
185	0.0991	0.128	0.294	495	426	26.46	1.37
240	0.0754	0.098	0.283	578	490	34.32	1.37
300	0.0601	0.080	0.275	654	546	42.90	1.37

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

N2XSEBY 3 x (35-300) mm² 12/20 kV

Cu / XLPE / CTS / PVC / STA / PVC

(Copper Conductor, XLPE Insulated, Copper Tape Screen, Galvanized Steel Tape Armor, PVC Sheathed)

Standard Specification : SNI IEC 60502-2 : 2009, IEC 60502-2 : 2014

Construction Data

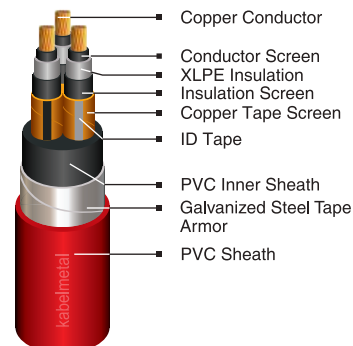
Nom. Cross Section Area	Overall Diameter	Cable Weight
	approx.	approx.
mm ²	mm	kg/km
35	56.5	4,322
50	59.0	4,883
70	63.0	5,836
95	66.5	6,905
120	70.0	7,907
150	74.0	9,096
185	77.5	10,488
240	84.5	13,454
300	89.5	15,722

Application :

For installation indoor, in ground direct buried, for power station and switchgear, if there is a risk that low mechanical damage may occur.

Special Features on Request

- Tin Coated Copper Conductor
- 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

35 - 300 sqmm supplied in compacted circular stranded (cm) conductor shape

Tin Coated Copper Conductor

Electrical properties for tin coated copper conductor will be submitted upon request

Standard Packing

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 90°C		in air	in ground	Conductor	Screen
(mm ²)	Max. (Ω/km)	Max. (Ω/km)		Max. (A)	Max. (A)	Max. (kA)	Max. (kA)
35	0.524	0.668	0.395	190	174	5.01	1.03
50	0.387	0.494	0.379	226	205	7.15	1.03
70	0.268	0.342	0.357	280	250	10.01	1.03
95	0.193	0.247	0.341	338	298	13.59	1.37
120	0.153	0.196	0.328	387	338	17.16	1.37
150	0.124	0.159	0.318	437	378	21.45	1.37
185	0.0991	0.128	0.308	497	426	26.46	1.37
240	0.0754	0.098	0.296	580	488	34.32	1.37
300	0.0601	0.079	0.287	655	545	42.90	1.37

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

N2XSEBY 3 x (25-300) mm² 8.7/15 kV

Cu / XLPE / CTS / PVC / STA / PVC

(Copper Conductor, XLPE Insulated, Copper Tape Screen, Galvanized Steel Tape Armor, PVC Sheathed)

Standard Specification : SNI IEC 60502-2 : 2009, IEC 60502-2 : 2014

Construction Data

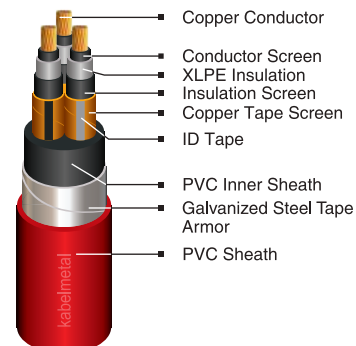
Nom. Cross Section Area	Overall Diameter	Cable Weight
	approx.	approx.
mm ²	mm	kg/km
25	48.5	3,293
35	51.0	3,790
50	53.5	4,324
70	58.0	5,310
95	61.5	6,354
120	65.0	7,321
150	69.0	8,412
185	73.0	9,854
240	78.5	11,980
300	85.0	14,914

Application :

For installation indoor, in ground direct burried, for power station and switchgear, if there is a risk that low mechanical damage may occur.

Special Features on Request

- Tin Coated Copper Conductor
- 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

25 - 300 sqmm supplied in compacted circular stranded (cm) conductor shape

Tin Coated Copper Conductor

Electrical properties for tin coated copper conductor will be submitted upon request

Standard Packing

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	Conductor	Screen
(mm ²)	Max. (Ω/km)	Max. (Ω/km)		Max. (A)	Max. (A)	Max. (kA)	Max. (kA)
25	0.727	0.927	0.395	156	146	3.58	1.03
35	0.524	0.668	0.374	189	174	5.01	1.03
50	0.387	0.494	0.359	224	205	7.15	1.03
70	0.268	0.342	0.338	278	250	10.01	1.03
95	0.193	0.247	0.324	336	298	13.59	1.03
120	0.153	0.196	0.312	385	339	17.16	1.03
150	0.124	0.159	0.302	436	379	21.45	1.37
185	0.0991	0.128	0.294	495	426	26.46	1.37
240	0.0754	0.098	0.283	578	490	34.32	1.37
300	0.0601	0.080	0.275	654	546	42.90	1.37

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

N2XSEBY 3 x (35-300) mm² 12/20 kV

Cu / XLPE / CTS / PVC / STA / PVC

(Copper Conductor, XLPE Insulated, Copper Tape Screen, Galvanized Steel Tape Armor, PVC Sheathed)

Standard Specification : SNI IEC 60502-2 : 2009, IEC 60502-2 : 2014

Construction Data

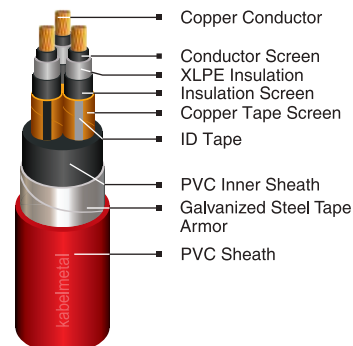
Nom. Cross Section Area	Overall Diameter	Cable Weight
	approx.	approx.
mm ²	mm	kg/km
35	56.5	4,322
50	59.0	4,883
70	63.0	5,836
95	66.5	6,905
120	70.0	7,907
150	74.0	9,096
185	77.5	10,488
240	84.5	13,454
300	89.5	15,722

Application :

For installation indoor, in ground direct buried, for power station and switchgear, if there is a risk that low mechanical damage may occur.

Special Features on Request

- Tin Coated Copper Conductor
- 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

35 - 300 sqmm supplied in compacted circular stranded (cm) conductor shape

Tin Coated Copper Conductor

Electrical properties for tin coated copper conductor will be submitted upon request

Standard Packing

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 90°C		in air	in ground	Conductor	Screen
(mm ²)	Max. (Ω/km)	Max. (Ω/km)		Max. (A)	Max. (A)	Max. (kA)	Max. (kA)
35	0.524	0.668	0.395	190	174	5.01	1.03
50	0.387	0.494	0.379	226	205	7.15	1.03
70	0.268	0.342	0.357	280	250	10.01	1.03
95	0.193	0.247	0.341	338	298	13.59	1.37
120	0.153	0.196	0.328	387	338	17.16	1.37
150	0.124	0.159	0.318	437	378	21.45	1.37
185	0.0991	0.128	0.308	497	426	26.46	1.37
240	0.0754	0.098	0.296	580	488	34.32	1.37
300	0.0601	0.079	0.287	655	545	42.90	1.37

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

N2XSEBY 3 x (50-300) mm² 18/30 kV

Cu / XLPE / CTS / PVC / STA / PVC

(Copper Conductor, XLPE Insulated, Copper Tape Screen, Galvanized Steel Tape Armor, PVC Sheathed)

Standard Specification : SNI IEC 60502-2 : 2009, IEC 60502-2 : 2014

Construction Data

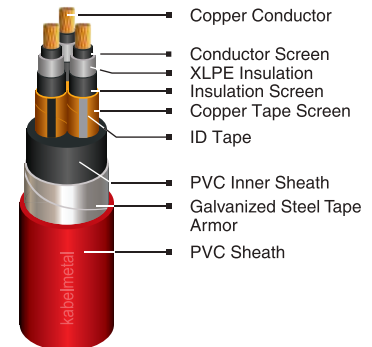
Nom. Cross Section Area	Overall Diameter	Cable Weight
	approx.	approx.
mm ²	mm	kg/km
50	71.0	6,335
70	75.0	7,435
95	79.0	8,574
120	83.5	10,439
150	87.0	11,661
185	91.0	13,200
240	96.5	15,483
300	102.0	17,950

Application :

For installation indoor, in ground direct burried, for power station and switchgear, if there is a risk that low mechanical damage may occur.

Special Features on Request

- Tin Coated Copper Conductor
- 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

50 - 300 sqmm supplied in compacted circular stranded (cm) conductor shape

Tin Coated Copper Conductor

Electrical properties for tin coated copper conductor will be submitted upon request

Standard Packing

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	Conductor	Screen
(mm ²)	Max. (Ω/km)	Max. (Ω/km)		Max. (A)	Max. (A)	Max. (kA)	Max. (kA)
50	0.387	0.494	0.421	229	204	7.15	1.37
70	0.268	0.342	0.396	282	249	10.01	1.37
95	0.193	0.247	0.378	340	297	13.59	1.37
120	0.153	0.196	0.364	390	336	17.16	1.37
150	0.124	0.159	0.351	441	376	21.45	1.37
185	0.0991	0.128	0.340	500	423	26.46	1.37
240	0.0754	0.098	0.326	582	486	34.32	1.37
300	0.0601	0.079	0.315	656	543	42.90	1.37

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

N2XSEBY 3 x (25-300) mm² 3.6/6 kV

Cu / XLPE / CTS / PVC / STA / PVC

(Copper Conductor, XLPE Insulated, Copper Tape Screen, Galvanized Steel Tape Armor, PVC Sheathed)

Standard Specification : SNI IEC 60502-2 : 2009, IEC 60502-2 : 2014

Construction Data

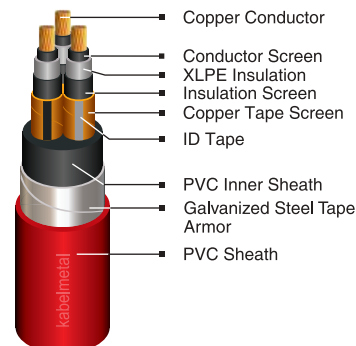
Nom. Cross Section Area	Overall Diameter	Cable Weight
	approx.	approx.
mm ²	mm	kg/km
25	38.5	2,417
35	41.0	2,865
50	44.0	3,391
70	48.0	4,272
95	51.5	5,266
120	55.5	6,232
150	59.0	7,271
185	63.0	8,585
240	69.0	10,679
300	75.5	12,965

Application :

For installation indoor, in ground direct burried, for power station and switchgear, if there is a risk that low mechanical damage may occur.

Special Features on Request

- Tin Coated Copper Conductor
- 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

25 - 300 sqmm supplied in compacted circular stranded (cm) conductor shape

Tin Coated Copper Conductor

Electrical properties for tin coated copper conductor will be submitted upon request

Standard Packing

25 - 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	Conductor	Screen
(mm ²)	Max. (Ω/km)	Max. (Ω/km)		Max. (A)	Max. (A)	Max. (kA)	Max. (kA)
25	0.727	0.927	0.342	152	146	3.58	1.03
35	0.524	0.668	0.325	184	175	5.01	1.03
50	0.387	0.494	0.313	219	206	7.15	1.03
70	0.268	0.342	0.296	273	251	10.01	1.03
95	0.193	0.247	0.285	330	299	13.59	1.03
120	0.153	0.196	0.276	379	339	17.16	1.03
150	0.124	0.160	0.268	430	380	21.45	1.03
185	0.0991	0.128	0.262	491	427	26.46	1.03
240	0.0754	0.099	0.255	575	492	34.32	1.37
300	0.0601	0.080	0.252	651	549	42.90	1.37

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

N2XSEBY 3 x (25-300) mm² 6/10 kV

Cu / XLPE / CTS / PVC / STA / PVC

(Copper Conductor, XLPE Insulated, Copper Tape Screen, Galvanized Steel Tape Armor, PVC Sheathed)

Standard Specification : SNI IEC 60502-2 : 2009, IEC 60502-2 : 2014

Construction Data

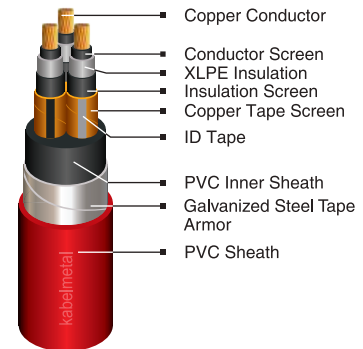
Nom. Cross Section Area	Overall Diameter approx.	Cable Weight approx.
mm ²	mm	kg/km
25	43.0	2,767
35	46.0	3,279
50	48.5	3,799
70	52.5	4,687
95	56.5	5,753
120	60.0	6,690
150	63.5	7,761
185	67.5	9,091
240	73.0	11,235
300	78.0	13,326

Application :

For installation indoor, in ground direct buried, for power station and switchgear, if there is a risk that low mechanical damage may occur.

Special Features on Request

- Tin Coated Copper Conductor
- 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

25 - 300 sqmm supplied in compacted circular stranded (cm) conductor shape

Tin Coated Copper Conductor

Electrical properties for tin coated copper conductor will be submitted upon request

Standard Packing

25 - 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	Conductor	Screen
	Max. (Ω/km)	Max. (Ω/km)		Max. (A)	Max. (A)	Max. (kA)	Max. (kA)
(mm ²)			(mH/km)				
25	0.727	0.927	0.368	154	146	3.58	1.03
35	0.524	0.668	0.349	186	175	5.01	1.03
50	0.387	0.494	0.335	222	205	7.15	1.03
70	0.268	0.342	0.316	276	251	10.01	1.03
95	0.193	0.247	0.303	333	299	13.59	1.03
120	0.153	0.196	0.293	382	339	17.16	1.03
150	0.124	0.160	0.284	433	380	21.45	1.03
185	0.0991	0.128	0.277	493	427	26.46	1.37
240	0.0754	0.099	0.267	576	491	34.32	1.37
300	0.0601	0.080	0.261	654	550	42.90	1.37

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

N2XSEFGbY 3 x (25-300) mm² 8.7/15 kV

Cu / XLPE / CTS / PVC / SFWA / PVC

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

Standard Specification : SNI IEC 60502-2 : 2009, IEC 60502-2 : 2014

Construction Data

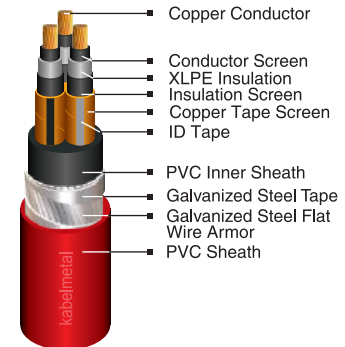
Nom. Cross Section Area	Overall Diameter	Cable Weight
	approx.	approx.
mm ²	mm	kg/km
25	49.0	3,552
35	51.5	4,072
50	54.0	4,606
70	58.5	5,619
95	62.0	6,697
120	65.5	7,705
150	69.0	8,810
185	73.0	10,284
240	79.0	12,429
300	83.5	14,586

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

- Tin Coated Copper Conductor
- 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

25 - 300 sqmm supplied in compacted circular stranded (cm) conductor shape

Tin Coated Copper Conductor

Electrical properties for tin coated copper conductor will be submitted upon request

Standard Packing

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 90°C		in air	in ground	Conductor	Screen
(mm ²)	Max. (Ω/km)	Max. (Ω/km)		Max. (A)	Max. (A)	Max. (kA)	Max. (kA)
25	0.727	0.927	0.395	156	146	3.58	1.03
35	0.524	0.668	0.374	189	174	5.01	1.03
50	0.387	0.494	0.359	225	205	7.15	1.03
70	0.268	0.342	0.338	278	250	10.01	1.03
95	0.193	0.247	0.324	336	298	13.59	1.03
120	0.153	0.196	0.312	385	338	17.16	1.03
150	0.124	0.159	0.302	435	378	21.45	1.37
185	0.0991	0.128	0.294	494	424	26.46	1.37
240	0.0754	0.098	0.283	577	488	34.32	1.37
300	0.0601	0.080	0.275	654	547	42.90	1.37

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

N2XSEFGbY 3 x (35-300) mm² 12/20 kV

Cu / XLPE / CTS / PVC / SFWA / PVC

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

Standard Specification : SNI IEC 60502-2 : 2009, IEC 60502-2 : 2014

Construction Data

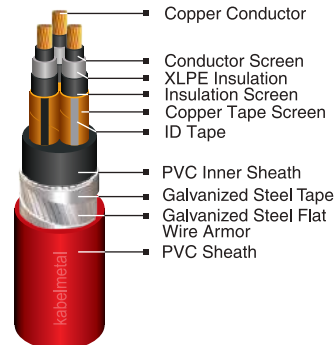
Nom. Cross Section Area	Overall Diameter	Cable Weight
	approx.	approx.
mm ²	mm	kg/km
35	56.5	4,624
50	59.0	5,185
70	63.0	6,194
95	66.5	7,276
120	70.0	8,318
150	74.0	9,516
185	78.0	10,981
240	83.5	13,130
300	88.5	15,374

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

- Tin Coated Copper Conductor
- 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

35 - 300 sqmm supplied in compacted circular stranded (cm) conductor shape

Tin Coated Copper Conductor

Electrical properties for tin coated copper conductor will be submitted upon request

Standard Packing

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 90°C		in air	in ground	Conductor	Screen
(mm ²)	Max. (Ω/km)	Max. (Ω/km)		Max. (A)	Max. (A)	Max. (kA)	Max. (kA)
35	0.524	0.668	0.395	190	174	5.01	1.03
50	0.387	0.494	0.379	226	205	7.15	1.03
70	0.268	0.342	0.357	280	250	10.01	1.03
95	0.193	0.247	0.341	338	298	13.59	1.37
120	0.153	0.196	0.328	387	338	17.16	1.37
150	0.124	0.159	0.318	437	377	21.45	1.37
185	0.0991	0.128	0.308	496	424	26.46	1.37
240	0.0754	0.098	0.296	579	488	34.32	1.37
300	0.0601	0.079	0.287	655	546	42.90	1.37

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

N2XSEFGbY 3 x (50-300) mm² 18/30 kV

Cu / XLPE / CTS / PVC / SFWA / PVC

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

Standard Specification : SNI IEC 60502-2 : 2009, IEC 60502-2 : 2014

Construction Data

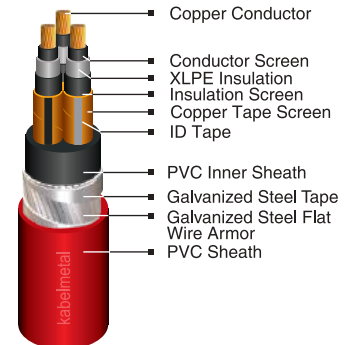
Nom. Cross Section Area	Overall Diameter	Cable Weight
	approx.	approx.
mm ²	mm	kg/km
50	71.0	6,738
70	75.5	7,869
95	79.0	9,021
120	82.5	10,109
150	86.0	11,335
185	90.0	12,808
240	95.5	15,124
300	101.0	17,512

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

- Tin Coated Copper Conductor
- 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

50 - 300 sqmm supplied in compacted circular stranded (cm) conductor shape

Tin Coated Copper Conductor

Electrical properties for tin coated copper conductor will be submitted upon request

Standard Packing

50 - 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	Conductor	Screen
(mm ²)	Max. (Ω/km)	Max. (Ω/km)		Max. (A)	Max. (A)	Max. (kA)	Max. (kA)
50	0.387	0.494	0.421	229	204	7.15	1.37
70	0.268	0.342	0.396	282	249	10.01	1.37
95	0.193	0.247	0.378	340	296	13.59	1.37
120	0.153	0.196	0.364	389	336	17.16	1.37
150	0.124	0.159	0.351	440	376	21.45	1.37
185	0.0991	0.128	0.340	500	423	26.46	1.37
240	0.0754	0.098	0.326	582	487	34.32	1.37
300	0.0601	0.079	0.315	657	545	42.90	1.37

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

N2XSEFGbY 3 x (25-300) mm² 3.6/6 kV

Cu / XLPE / CTS / PVC / SFWA / PVC

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

Standard Specification : SNI IEC 60502-2 : 2009, IEC 60502-2 : 2014

Construction Data

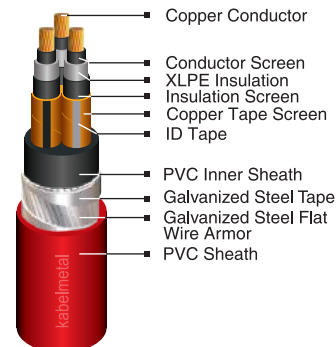
Nom. Cross Section Area	Overall Diameter	Cable Weight
	approx.	approx.
mm ²	mm	kg/km
25	38.5	2,603
35	41.5	3,074
50	44.5	3,641
70	48.5	4,536
95	52.0	5,542
120	56.0	6,516
150	59.5	7,593
185	63.0	8,940
240	69.0	11,074
300	75.5	13,395

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

- Tin Coated Copper Conductor
- 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

25 - 300 sqmm supplied in compacted circular stranded (cm) conductor shape

Tin Coated Copper Conductor

Electrical properties for tin coated copper conductor will be submitted upon request

Standard Packing

25 - 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	Conductor	Screen
(mm ²)	Max. (Ω/km)	Max. (Ω/km)		Max. (A)	Max. (A)	Max. (kA)	Max. (kA)
25	0.727	0.927	0.342	152	147	3.58	1.03
35	0.524	0.668	0.325	185	175	5.01	1.03
50	0.387	0.494	0.313	219	205	7.15	1.03
70	0.268	0.342	0.296	273	251	10.01	1.03
95	0.193	0.247	0.285	330	299	13.59	1.03
120	0.153	0.196	0.276	379	339	17.16	1.03
150	0.124	0.160	0.268	430	379	21.45	1.03
185	0.0991	0.128	0.262	490	427	26.46	1.03
240	0.0754	0.099	0.255	573	490	34.32	1.37
300	0.0601	0.080	0.252	649	547	42.90	1.37

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

N2XSEFGbY 3 x (25-300) mm² 6/10 kV

Cu / XLPE / CTS / PVC / SFWA / PVC

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

Standard Specification : SNI IEC 60502-2 : 2009, IEC 60502-2 : 2014

Construction Data

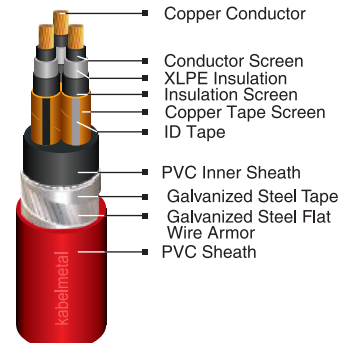
Nom. Cross Section Area	Overall Diameter	Cable Weight
	approx.	approx.
mm ²	mm	kg/km
25	43.0	2,984
35	46.0	3,515
50	48.5	4,061
70	52.5	4,955
95	56.5	6,055
120	60.0	7,026
150	63.5	8,110
185	67.5	9,478
240	73.5	11,663
300	78.5	13,814

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

- Tin Coated Copper Conductor
- 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

25 - 300 sqmm supplied in compacted circular stranded (cm) conductor shape

Tin Coated Copper Conductor

Electrical properties for tin coated copper conductor will be submitted upon request

Standard Packing

25 - 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	Conductor	Screen
(mm ²)	Max. (Ω/km)	Max. (Ω/km)		Max. (A)	Max. (A)	Max. (kA)	Max. (kA)
25	0.727	0.927	0.368	155	147	3.58	1.03
35	0.524	0.668	0.349	187	175	5.01	1.03
50	0.387	0.494	0.335	222	205	7.15	1.03
70	0.268	0.342	0.316	276	251	10.01	1.03
95	0.193	0.247	0.303	333	298	13.59	1.03
120	0.153	0.196	0.293	382	339	17.16	1.03
150	0.124	0.160	0.284	433	379	21.45	1.03
185	0.0991	0.128	0.277	493	426	26.46	1.37
240	0.0754	0.099	0.267	574	489	34.32	1.37
300	0.0601	0.080	0.261	650	546	42.90	1.37

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

NA2XSEBY 3 x (35-300) mm² 12/20 kV

AI / XLPE / CTS / PVC / STA / PVC

(Aluminium Conductor, XLPE Insulated, Copper Tape Screen, Galvanized Steel Tape Armor, PVC Sheathed)

Standard Specification : SNI IEC 60502-2 : 2009, IEC 60502-2 : 2014

Construction Data

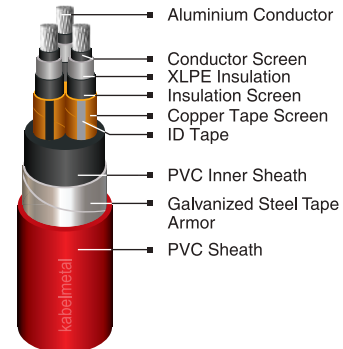
Nom. Cross Section Area	Overall Diameter	Cable Weight
	approx.	approx.
mm ²	mm	kg/km
35	56.0	3,659
50	58.5	3,998
70	63.0	4,581
95	66.5	5,186
120	70.0	5,737
150	73.5	6,346
185	77.5	7,094
240	84.0	8,941
300	89.0	10,064

Application :

For installation indoor, in ground direct buried, for power station and switchgear, if there is a risk that low mechanical damage may occur.

Special Features on Request

- 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

35 - 300 sqmm supplied in compacted circular stranded (cm) conductor shape

Standard Packing

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 90°C		in air	in ground	Conductor	Screen
(mm ²)	Max. (Ω/km)	Max. (Ω/km)		Max. (A)	Max. (A)	Max. (kA)	Max. (kA)
35	0.868	1.113	0.397	147	135	3.29	1.03
50	0.641	0.822	0.380	175	159	4.70	1.03
70	0.443	0.568	0.357	218	194	6.58	1.03
95	0.320	0.411	0.340	263	232	8.93	1.37
120	0.253	0.325	0.328	302	263	11.28	1.37
150	0.206	0.265	0.319	339	294	14.10	1.37
185	0.164	0.211	0.308	389	333	17.39	1.37
240	0.125	0.162	0.297	454	383	22.56	1.37
300	0.100	0.130	0.289	516	430	28.20	1.37

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

NA2XSEBY 3 x (50-300) mm² 18/30 kV

AI / XLPE / CTS / PVC / STA / PVC

(Aluminium Conductor, XLPE Insulated, Copper Tape Screen, Galvanized Steel Tape Armor, PVC Sheathed)

Standard Specification : SNI IEC 60502-2 : 2009, IEC 60502-2 : 2014

Construction Data

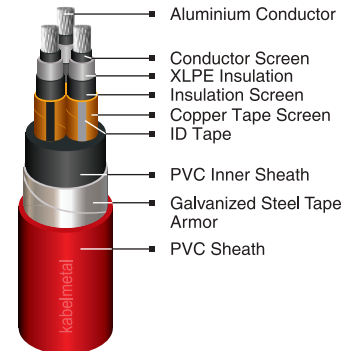
Nom. Cross Section Area	Overall Diameter	Cable Weight
	approx.	approx.
mm ²	mm	kg/km
50	70.5	5,444
70	75.0	6,180
95	79.0	6,860
120	83.5	8,269
150	87.0	8,898
185	91.0	9,807
240	96.0	10,961
300	101.5	12,278

Application :

For installation indoor, in ground direct buried, for power station and switchgear, if there is a risk that low mechanical damage may occur.

Special Features on Request

- 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

50 - 300 sqmm supplied in compacted circular stranded (cm) conductor shape

Standard Packing

50 - 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	Conductor	Screen
(mm ²)	Max. (Ω/km)	Max. (Ω/km)		Max. (A)	Max. (A)	Max. (kA)	Max. (kA)
50	0.641	0.822	0.423	177	158	4.70	1.37
70	0.443	0.568	0.396	219	193	6.58	1.37
95	0.320	0.411	0.377	265	231	8.93	1.37
120	0.253	0.325	0.364	304	262	11.28	1.37
150	0.206	0.265	0.353	342	293	14.10	1.37
185	0.164	0.211	0.340	391	331	17.39	1.37
240	0.125	0.161	0.327	456	382	22.56	1.37
300	0.100	0.130	0.317	515	428	28.20	1.37

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

NA2XSEBY 3 x (25-300) mm² 3.6/6 kV

AI / XLPE / CTS / PVC / STA / PVC

(Aluminium Conductor, XLPE Insulated, Copper Tape Screen, Galvanized Steel Tape Armor, PVC Sheathed)

Standard Specification : SNI IEC 60502-2 : 2009, IEC 60502-2 : 2014

Construction Data

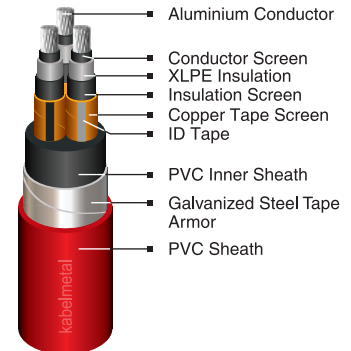
Nom. Cross Section Area	Overall Diameter	Cable Weight
	approx.	approx.
mm ²	mm	kg/km
25	38.0	1,922
35	41.0	2,206
50	43.5	2,517
70	48.0	3,016
95	52.0	3,534
120	55.5	4,062
150	59.0	4,531
185	63.0	5,191
240	68.5	6,180
300	75.0	7,327

Application :

For installation indoor, in ground direct buried, for power station and switchgear, if there is a risk that low mechanical damage may occur.

Special Features on Request

- 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

25 - 300 sqmm supplied in compacted circular stranded (cm) conductor shape

Standard Packing

25 - 70 sqmm supplied in wooden drum @ 1000 m

95 - 300 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 90°C		in air	in ground	Conductor	Screen
	Max. (Ω/km)	Max. (Ω/km)		Max. (A)	Max. (A)	Max. (kA)	Max. (kA)
(mm ²)			(mH/km)				
25	1.20	1.539	0.346	117	113	2.35	1.03
35	0.868	1.113	0.326	142	136	3.29	1.03
50	0.641	0.822	0.314	170	159	4.70	1.03
70	0.443	0.568	0.296	212	195	6.58	1.03
95	0.320	0.411	0.284	257	233	8.93	1.03
120	0.253	0.325	0.276	295	264	11.28	1.03
150	0.206	0.265	0.269	334	295	14.10	1.03
185	0.164	0.212	0.262	384	334	17.39	1.03
240	0.125	0.162	0.256	450	386	22.56	1.37
300	0.100	0.130	0.253	512	433	28.20	1.37

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

NA2XSEBY 3 x (25-300) mm² 6/10 kV

AI / XLPE / CTS / PVC / STA / PVC

(Aluminium Conductor, XLPE Insulated, Copper Tape Screen, Galvanized Steel Tape Armor, PVC Sheathed)

Standard Specification : SNI IEC 60502-2 : 2009, IEC 60502-2 : 2014

Construction Data

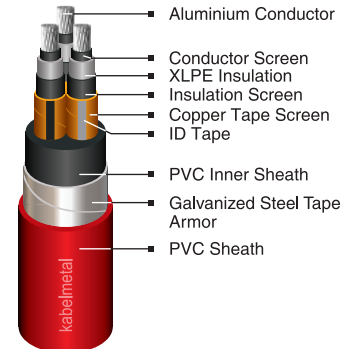
Nom. Cross Section Area	Overall Diameter	Cable Weight
	approx.	approx.
mm ²	mm	kg/km
25	42.5	2,270
35	45.5	2,619
50	48.0	2,918
70	52.5	3,431
95	56.5	4,030
120	60.0	4,520
150	63.0	5,018
185	67.5	5,697
240	73.0	6,733
300	77.5	7,697

Application :

For installation indoor, in ground direct buried, for power station and switchgear, if there is a risk that low mechanical damage may occur.

Special Features on Request

- 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

25 - 300 sqmm supplied in compacted circular stranded (cm) conductor shape

Standard Packing

25 - 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	Conductor	Screen
(mm ²)	Max. (Ω/km)	Max. (Ω/km)		Max. (A)	Max. (A)	Max. (kA)	Max. (kA)
25	1.20	1.539	0.372	119	113	2.35	1.03
35	0.868	1.113	0.350	144	135	3.29	1.03
50	0.641	0.822	0.336	172	159	4.70	1.03
70	0.443	0.568	0.316	214	195	6.58	1.03
95	0.320	0.411	0.303	259	232	8.93	1.03
120	0.253	0.325	0.293	298	264	11.28	1.03
150	0.206	0.265	0.285	336	295	14.10	1.03
185	0.164	0.211	0.277	386	334	17.39	1.37
240	0.125	0.162	0.268	451	385	22.56	1.37
300	0.100	0.130	0.261	514	433	28.20	1.37

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

NA2XSEBY 3 x (25-300) mm² 8.7/15 kV

AI / XLPE / CTS / PVC / STA / PVC

(Aluminium Conductor, XLPE Insulated, Copper Tape Screen, Galvanized Steel Tape Armor, PVC Sheathed)

Standard Specification : SNI IEC 60502-2 : 2009, IEC 60502-2 : 2014

Construction Data

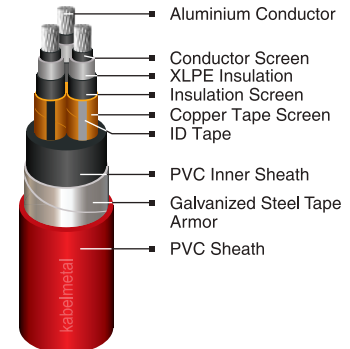
Nom. Cross Section Area	Overall Diameter	Cable Weight
	approx.	approx.
mm ²	mm	kg/km
25	48.0	2,792
35	51.0	3,122
50	53.5	3,448
70	58.0	4,054
95	62.0	4,624
120	65.0	5,151
150	68.5	5,666
185	73.0	6,460
240	78.0	7,474
300	84.0	9,262

Application :

For installation indoor, in ground direct burried, for power station and switchgear, if there is a risk that low mechanical damage may occur.

Special Features on Request

- 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

25 - 300 sqmm supplied in compacted circular stranded (cm) conductor shape

Standard Packing

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	Conductor	Screen
(mm ²)	Max. (Ω/km)	Max. (Ω/km)		Max. (A)	Max. (A)	Max. (kA)	Max. (kA)
25	1.20	1.539	0.400	121	113	2.35	1.03
35	0.868	1.113	0.376	146	135	3.29	1.03
50	0.641	0.822	0.361	174	159	4.70	1.03
70	0.443	0.568	0.338	216	194	6.58	1.03
95	0.320	0.411	0.323	261	232	8.93	1.03
120	0.253	0.325	0.312	300	264	11.28	1.03
150	0.206	0.265	0.304	338	294	14.10	1.37
185	0.164	0.211	0.294	387	333	17.39	1.37
240	0.125	0.162	0.284	452	384	22.56	1.37
300	0.100	0.130	0.276	515	431	28.20	1.37

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

NA2XSEFGbY 3 x (25-300) mm² 8.7/15 kV

AI / XLPE / CTS / PVC / SFWA / PVC

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

Standard Specification : SNI IEC 60502-2 : 2009, IEC 60502-2 : 2014

Construction Data

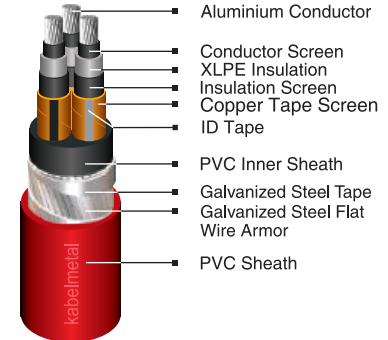
Nom. Cross Section Area	Overall Diameter	Cable Weight
	approx.	approx.
mm ²	mm	kg/km
25	48.5	3,056
35	51.0	3,380
50	53.5	3,732
70	58.5	4,364
95	62.0	4,966
120	65.5	5,535
150	68.5	6,042
185	73.0	6,891
240	78.5	7,929
300	83.0	8,947

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

- 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

25 - 300 sqmm supplied in compacted circular stranded (cm) conductor shape

Standard Packing

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

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 90°C		in air	in ground	Conductor	Screen
	Max. (Ω/km)	Max. (Ω/km)		Max. (A)	Max. (A)	Max. (kA)	Max. (kA)
(mm ²)			(mH/km)				
25	1.20	1.539	0.400	121	113	2.35	1.03
35	0.868	1.113	0.376	146	135	3.29	1.03
50	0.641	0.822	0.361	174	159	4.70	1.03
70	0.443	0.568	0.338	216	194	6.58	1.03
95	0.320	0.411	0.323	261	232	8.93	1.03
120	0.253	0.325	0.312	300	263	11.28	1.03
150	0.206	0.265	0.304	338	294	14.10	1.37
185	0.164	0.211	0.294	386	332	17.39	1.37
240	0.125	0.162	0.284	452	383	22.56	1.37
300	0.100	0.130	0.276	514	431	28.20	1.37

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

NA2XSEFGbY 3 x (35-300) mm² 12/20 kV

AI / XLPE / CTS / PVC / SFWA / PVC

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

Standard Specification : SNI IEC 60502-2 : 2009, IEC 60502-2 : 2014

Construction Data

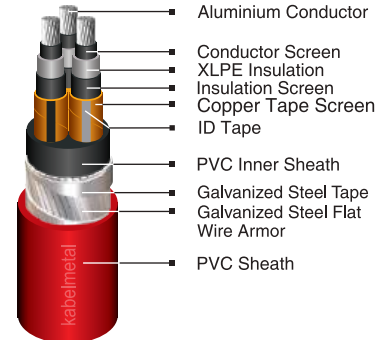
Nom. Cross Section Area	Overall Diameter	Cable Weight
	approx.	approx.
mm ²	mm	kg/km
35	56.5	3,964
50	59.0	4,302
70	63.0	4,938
95	67.0	5,555
120	70.0	6,148
150	73.5	6,771
185	78.0	7,587
240	83.0	8,627
300	88.0	9,730

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

- 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

35 - 300 sqmm supplied in compacted circular stranded (cm) conductor shape

Standard Packing

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 90°C		in air	in ground	Conductor	Screen
(mm ²)	Max. (Ω/km)	Max. (Ω/km)		Max. (A)	Max. (A)	Max. (kA)	Max. (kA)
35	0.868	1.113	0.397	147	135	3.29	1.03
50	0.641	0.822	0.380	175	159	4.70	1.03
70	0.443	0.568	0.357	218	194	6.58	1.03
95	0.320	0.411	0.340	263	232	8.93	1.37
120	0.253	0.325	0.328	302	263	11.28	1.37
150	0.206	0.265	0.319	339	293	14.10	1.37
185	0.164	0.211	0.308	388	332	17.39	1.37
240	0.125	0.162	0.297	453	383	22.56	1.37
300	0.100	0.130	0.289	515	430	28.20	1.37

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

NA2XSEFGbY 3 x (50-300) mm² 18/30 kV

AI / XLPE / CTS / PVC / SFWA / PVC

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

Standard Specification : SNI IEC 60502-2 : 2009, IEC 60502-2 : 2014

Construction Data

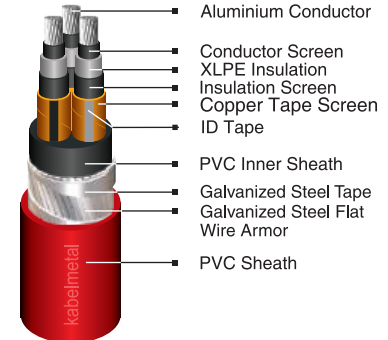
Nom. Cross Section Area	Overall Diameter	Cable Weight
	approx.	approx.
mm ²	mm	kg/km
50	71.0	5,850
70	75.5	6,613
95	79.0	7,305
120	82.5	7,939
150	85.5	8,556
185	90.0	9,414
240	95.0	10,586
300	100.0	11,854

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

- 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

50 - 300 sqmm supplied in compacted circular stranded (cm) conductor shape

Standard Packing

50 - 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	Conductor	Screen
(mm ²)	Max. (Ω/km)	Max. (Ω/km)		Max. (A)	Max. (A)	Max. (kA)	Max. (kA)
50	0.641	0.822	0.423	177	158	4.70	1.37
70	0.443	0.568	0.396	219	193	6.58	1.37
95	0.320	0.411	0.377	265	231	8.93	1.37
120	0.253	0.325	0.364	303	262	11.28	1.37
150	0.206	0.265	0.353	341	293	14.10	1.37
185	0.164	0.211	0.340	390	331	17.39	1.37
240	0.125	0.161	0.327	455	382	22.56	1.37
300	0.100	0.130	0.317	516	429	28.20	1.37

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

NA2XSEFGbY 3 x (25-300) mm² 3.6/6 kV

AI / XLPE / CTS / PVC / SFWA / PVC

(Aluminium Conductor, XLPE Insulated, Copper Tape Screen, Galvanized Steel Flat Wire Armor, PVC Sheathed)
Standard Specification : SNI IEC 60502-2 : 2009, IEC 60502-2 : 2014

Construction Data

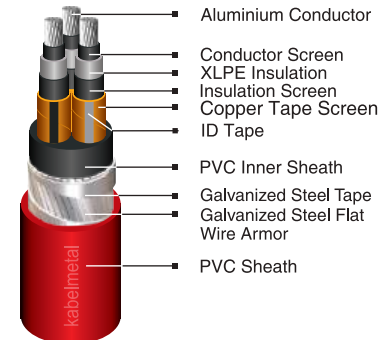
Nom. Cross Section Area	Overall Diameter	Cable Weight
	approx.	approx.
mm ²	mm	kg/km
25	38.5	2,114
35	41.0	2,418
50	44.0	2,770
70	48.5	3,280
95	52.0	3,807
120	56.0	4,346
150	59.0	4,832
185	63.0	5,546
240	69.0	6,580
300	75.0	7,766

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

- 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

25 - 300 sqmm supplied in compacted circular stranded (cm) conductor shape

Standard Packing

25 - 70 sqmm supplied in wooden drum @ 1000 m

95 - 300 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 90°C		in air	in ground	Conductor	Screen
	Max. (Ω/km)	Max. (Ω/km)		Max. (A)	Max. (A)	Max. (kA)	Max. (kA)
(mm ²)			(mH/km)				
25	1.20	1.539	0.346	117	113	2.35	1.03
35	0.868	1.113	0.326	143	136	3.29	1.03
50	0.641	0.822	0.314	170	159	4.70	1.03
70	0.443	0.568	0.296	212	195	6.58	1.03
95	0.320	0.411	0.284	257	233	8.93	1.03
120	0.253	0.325	0.276	295	264	11.28	1.03
150	0.206	0.265	0.269	334	295	14.10	1.03
185	0.164	0.212	0.262	383	334	17.39	1.03
240	0.125	0.162	0.256	450	385	22.56	1.37
300	0.100	0.130	0.253	511	432	28.20	1.37

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

NA2XSEFGbY 3 x (25-300) mm² 6/10 kV

AI / XLPE / CTS / PVC / SFWA / PVC

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

Standard Specification : SNI IEC 60502-2 : 2009, IEC 60502-2 : 2014

Construction Data

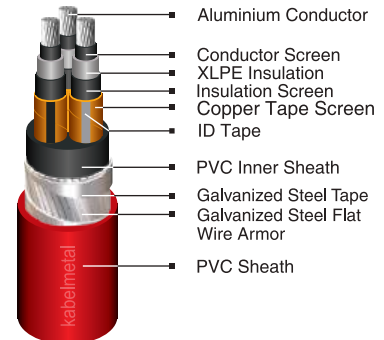
Nom. Cross Section Area	Overall Diameter	Cable Weight
	approx.	approx.
mm ²	mm	kg/km
25	42.5	2,492
35	46.0	2,857
50	48.5	3,182
70	52.5	3,700
95	57.0	4,329
120	60.0	4,856
150	63.0	5,372
185	67.5	6,084
240	73.0	7,140
300	78.0	8,166

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

- 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

25 - 300 sqmm supplied in compacted circular stranded (cm) conductor shape

Standard Packing

25 - 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	Conductor	Screen
(mm ²)	Max. (Ω/km)	Max. (Ω/km)		Max. (A)	Max. (A)	Max. (kA)	Max. (kA)
25	1.20	1.539	0.372	119	113	2.35	1.03
35	0.868	1.113	0.350	144	135	3.29	1.03
50	0.641	0.822	0.336	172	159	4.70	1.03
70	0.443	0.568	0.316	214	195	6.58	1.03
95	0.320	0.411	0.303	259	232	8.93	1.03
120	0.253	0.325	0.293	298	264	11.28	1.03
150	0.206	0.265	0.285	336	295	14.10	1.03
185	0.164	0.211	0.277	386	334	17.39	1.37
240	0.125	0.162	0.268	450	384	22.56	1.37
300	0.100	0.130	0.261	512	431	28.20	1.37

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

FIRE RESISTANT CABLE

N2XY 3 x (1.5-300) mm² 0.6/1 kV

Cu / Mica / XLPE / PVC

(Copper Conductor, Mica Tape, XLPE Insulated, PVC Sheathed)

Standard Specification : SNI IEC 60502-1 : 2009, IEC 60502-1 : 2004 / AMD1 : 2009 and IEC 60331

Construction Data

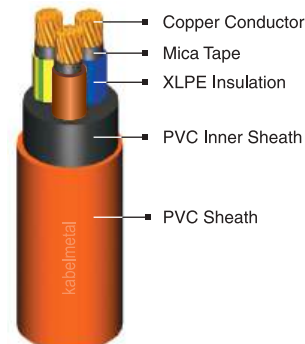
Nom. Cross Section Area	Overall Diameter approx.	Cable Weight approx.
mm ²	mm	kg/km
1.5	15.2	282
2.5	16.2	338
4	17.4	415
6	18.9	511
10	21.0	689
16	23.5	915
25	26.5	1,289
35	29.0	1,646
50	32.0	2,039
70	37.0	2,828
95	40.5	3,682
120	44.5	4,496
150	50.0	5,575
185	54.5	6,814
240	61.0	8,794
300	66.5	10,755

Application :

For wiring of fire resistant safety circuits, such as fire alarm system, emergency lighting and power, public address and emergency voice communication systems in highrise building, control and instrumentation services in industrial, commercial and residential complexes.

Special Features on Request

- Tin Coated Copper Conductor
- Oil Resistance
- UV Resistance
- Flame Retardant Cat. A, B, C
- Flame Retardant Non Category
- Anti Termite
- Anti Rodent
- Low Smoke Zero Halogen
- Nylon Coated



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

Tin Coated Copper Conductor

Electrical properties for tin coated copper conductor will be submitted upon request

Standard Packing

1.5 - 95 sqmm supplied in wooden drum @ 1000 m
120 - 300 sqmm will be supplied in wooden drum on available length
Length Tolerance per drum $\pm 2\%$

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 90°C		in air	in ground	
	Max. (Ω/km)	Max. (Ω/km)		Max. (A)	Max. (A)	Max. (kA)
(mm ²)			(mH/km)			
1.5	12.1	15.429	0.315	21	28	0.21
2.5	7.41	9.449	0.293	32	37	0.36
4	4.61	5.878	0.275	43	49	0.57
6	3.08	3.927	0.263	54	61	0.86
10	1.83	2.334	0.248	74	83	1.43
16	1.15	1.467	0.238	99	107	2.29
25	0.727	0.927	0.240	131	139	3.58
35	0.524	0.669	0.233	162	167	5.01
50	0.387	0.494	0.232	200	203	7.15
70	0.268	0.343	0.229	252	248	10.01
95	0.193	0.247	0.224	309	298	13.59
120	0.153	0.197	0.223	359	339	17.16
150	0.124	0.160	0.224	411	379	21.45
185	0.0991	0.129	0.225	475	430	26.46
240	0.0754	0.099	0.223	562	497	34.32
300	0.0601	0.081	0.221	645	560	42.90

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

FIRE RESISTANT CABLE

N2XY 4 x (1.5-300) mm² 0.6/1 kV

Cu / Mica / XLPE / PVC

(Copper Conductor, Mica Tape, XLPE Insulated, PVC Sheathed)

Standard Specification : SNI IEC 60502-1 : 2009, IEC 60502-1 : 2004 / AMD1 : 2009 and IEC 60331

Construction Data

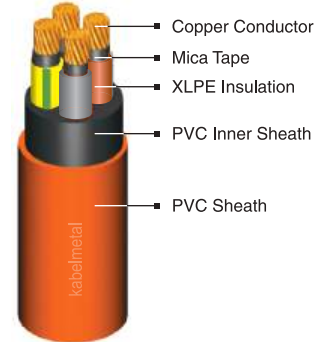
Nom. Cross Section Area	Overall Diameter approx.	Cable Weight approx.
mm ²	mm	kg/km
1.5	16.3	323
2.5	17.5	392
4	18.8	488
6	20.5	606
10	23.0	839
16	25.5	1,125
25	29.0	1,602
35	32.0	2,073
50	36.0	2,628
70	41.0	3,586
95	44.5	4,700
120	50.0	5,848
150	55.5	7,148
185	61.0	8,849
240	67.5	11,313
300	74.0	13,867

Application :

For wiring of fire resistant safety circuits, such as fire alarm system, emergency lighting and power, public address and emergency voice communication systems in highrise building, control and instrumentation services in industrial, commercial and residential complexes.

Special Features on Request

- Tin Coated Copper Conductor
- Oil Resistance
- UV Resistance
- Flame Retardant Cat. A, B, C
- Flame Retardant Non Category
- Anti Termite
- Anti Rodent
- Low Smoke Zero Halogen
- Nylon Coated



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

Tin Coated Copper Conductor

Electrical properties for tin coated copper conductor will be submitted upon request

Standard Packing

1.5 - 70 sqmm supplied in wooden drum @ 1000 m
95 - 300 sqmm will be supplied in wooden drum on available length
Length Tolerance per drum $\pm 2\%$

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 90°C		in air	in ground	
	Max. (Ω/km)	Max. (Ω/km)		Max. (A)	Max. (A)	Max. (kA)
(mm ²)			(mH/km)			
1.5	12.1	15.429	0.315	27	31	0.21
2.5	7.41	9.449	0.293	35	41	0.36
4	4.61	5.878	0.275	47	53	0.57
6	3.08	3.927	0.263	59	67	0.86
10	1.83	2.334	0.248	81	89	1.43
16	1.15	1.467	0.238	108	116	2.29
25	0.727	0.927	0.240	146	151	3.58
35	0.524	0.669	0.233	180	181	5.01
50	0.387	0.494	0.232	212	208	7.15
70	0.268	0.343	0.229	265	254	10.01
95	0.193	0.247	0.224	327	305	13.59
120	0.153	0.197	0.223	379	347	17.16
150	0.124	0.160	0.224	442	392	21.45
185	0.0991	0.129	0.225	504	441	26.46
240	0.0754	0.099	0.223	597	511	34.32
300	0.0601	0.081	0.221	685	576	42.90

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

FIRE RESISTANT CABLE

N2XY 1 x (1.5-800) mm² 0.6/1 kV

Cu / Mica / XLPE / PVC

(Copper Conductor, Mica Tape, XLPE Insulated, PVC Sheathed)

Standard Specification : SNI IEC 60502-1 : 2009, IEC 60502-1 : 2004 / AMD1 : 2009 and IEC 60331

Construction Data

Nom. Cross Section Area	Overall Diameter	Cable Weight
mm ²	approx. mm	approx. kg/km
1.5	6.8	58
2.5	7.2	72
4	7.8	92
6	8.4	115
10	9.4	162
16	10.4	222
25	12.2	332
35	13.3	427
50	15.0	576
70	16.9	782
95	18.9	1,030
120	21.0	1,274
150	23.0	1,550
185	25.5	1,951
240	29.0	2,543
300	31.5	3,080
400	35.0	3,935
500	39.5	5,025
630	44.0	6,526
800	49.0	8,181

Application :

For wiring of fire resistant safety circuits, such as fire alarm system, emergency lighting and power, public address and emergency voice communication systems in highrise building, control and instrumentation services in industrial, commercial and residential complexes.

Special Features on Request

- Tin Coated Copper Conductor
- Oil Resistance
- UV Resistance
- Flame Retardant Cat. A, B, C
- Flame Retardant Non Category
- Heat Resistance
- Anti Termite
- Anti Rodent
- Low Smoke Zero Halogen
- Nylon Coated

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 - 800 sqmm supplied in non compacted circular stranded (rm) or compacted circular stranded (cm) conductor shape

Tin Coated Copper Conductor

Electrical properties for tin coated copper conductor will be submitted upon request

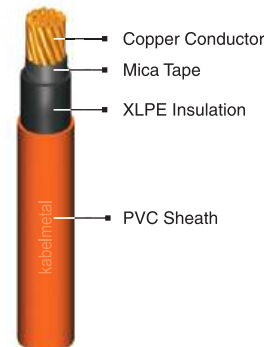
Standard Packing

1.5 - 10 sqmm supplied in coil @ 100 m

16 - 400 sqmm supplied in wooden drum @ 1000 m

500 - 800 sqmm 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	
(mm²)	Max. (Ω/km)	Max. (Ω/km)	(mH/km)	(mH/km)	Max. (A)	Max. (A)	Max. (A)	Max. (A)	Max. (kA)
1.5	12.1	15.429	0.480	0.746	27	33	36	36	0.21
2.5	7.41	9.449	0.444	0.710	36	43	47	47	0.36
4	4.61	5.878	0.411	0.677	47	55	62	61	0.57
6	3.08	3.927	0.387	0.653	59	69	79	75	0.86
10	1.83	2.333	0.356	0.622	81	91	107	100	1.43
16	1.15	1.466	0.332	0.598	108	118	142	130	2.29
25	0.727	0.927	0.318	0.584	144	152	188	167	3.58
35	0.524	0.668	0.304	0.570	177	182	230	200	5.01
50	0.387	0.494	0.293	0.559	217	215	281	237	7.15
70	0.268	0.342	0.282	0.548	275	264	354	291	10.01
95	0.193	0.247	0.274	0.540	340	316	436	349	13.59
120	0.153	0.196	0.268	0.534	397	360	508	398	17.16
150	0.124	0.160	0.267	0.532	458	403	582	448	21.45
185	0.0991	0.128	0.264	0.530	529	456	671	508	26.46
240	0.0754	0.099	0.258	0.524	633	528	803	593	34.32
300	0.0601	0.080	0.256	0.521	729	594	925	671	42.90
400	0.0470	0.064	0.253	0.519	850	673	1081	769	57.20
500	0.0366	0.052	0.250	0.516	986	760	1265	881	71.50
630	0.0283	0.043	0.247	0.513	1141	853	1480	1010	90.09
800	0.0221	0.036	0.244	0.510	1293	943	1707	1144	114.40

* Flat Formation spacing 2 times overall diameter of cable

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

FIRE RESISTANT CABLE

N2XY 2 x (1.5-300) mm² 0.6/1 kV

Cu / Mica / XLPE / PVC

(Copper Conductor, Mica Tape, XLPE Insulated, PVC Sheathed)

Standard Specification : SNI IEC 60502-1 : 2009, IEC 60502-1 : 2004 / AMD1 : 2009 and IEC 60331

Construction Data

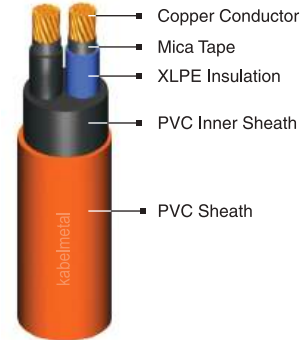
Nom. Cross Section Area	Overall Diameter approx.	Cable Weight approx.
mm ²	mm	kg/km
1.5	14.5	255
2.5	15.5	301
4	16.6	363
6	18.0	441
10	19.9	582
16	22.0	758
25	25.0	1,050
35	27.5	1,324
50	30.0	1,626
70	34.5	2,248
95	38.0	2,873
120	41.5	3,486
150	46.5	4,337
185	51.0	5,256
240	56.5	6,644
300	62.5	8,207

Application :

For wiring of fire resistant safety circuits, such as fire alarm system, emergency lighting and power, public address and emergency voice communication systems in highrise building, control and instrumentation services in industrial, commercial and residential complexes.

Special Features on Request

- Tin Coated Copper Conductor
- Oil Resistance
- UV Resistance
- Flame Retardant Cat. A, B, C
- Flame Retardant Non Category
- Anti Termite
- Anti Rodent
- Low Smoke Zero Halogen
- Nylon Coated



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

Tin Coated Copper Conductor

Electrical properties for tin coated copper conductor will be submitted upon request

Standard Packing

1.5 - 120 sqmm supplied in wooden drum @ 1000 m

150 - 300 sqmm will be supplied in wooden drum on available length

Length Tolerance per drum $\pm 2\%$

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 90°C		in air	in ground	
	Max. (Ω/km)	Max. (Ω/km)		Max. (A)	Max. (A)	Max. (kA)
(mm ²)			(mH/km)			
1.5	12.1	15.429	0.315	29	34	0.21
2.5	7.41	9.449	0.293	38	44	0.36
4	4.61	5.878	0.275	50	58	0.57
6	3.08	3.927	0.263	64	73	0.86
10	1.83	2.334	0.248	88	98	1.43
16	1.15	1.466	0.238	116	128	2.29
25	0.727	0.927	0.240	154	165	3.58
35	0.524	0.668	0.233	190	199	5.01
50	0.387	0.494	0.232	230	236	7.15
70	0.268	0.342	0.229	292	292	10.01
95	0.193	0.247	0.224	356	348	13.59
120	0.153	0.196	0.223	414	397	17.16
150	0.124	0.160	0.224	474	445	21.45
185	0.0991	0.128	0.225	544	502	26.46
240	0.0754	0.099	0.223	644	582	34.32
300	0.0601	0.080	0.221	737	654	42.90

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