NYA 1.5-300 mm² 450/750 V

Cu / PVC

(Copper Conductor, PVC Insulated)

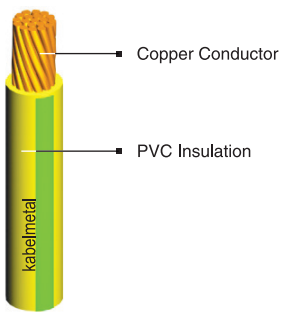
Standard Specification : SNI 04-6629.3 : 2006, IEC 60227-3 : 1993 / AMD1 : 1997

Construction Data

Nom. Cross Section Area	Overall Diameter	Cable Weight
	approx.	approx.
mm²	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 swich 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 ± 2%

Electrical Data

Conductor			Insulation	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	Insulation Resistance at 70°C		in pipe	in air	
(mm²)	Max. (Ω/km)	Max. (Ω/km)	Min. (M.Ω.km)	(mH/km)	Max. (A)	Max. (A)	Max. (kA)
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 2 x (1.5-35) mm² 300/500 V

Cu / PVC / PVC

(Copper Conductor, PVC Insulated, PVC Sheathed)

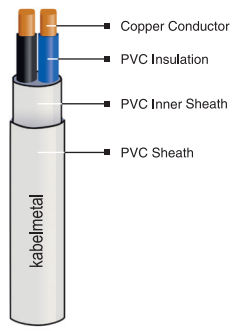
Standard Specification : SNI 04-6629.4 : 2006, IEC 60227-4 : 1992 / AMD1 : 1997

Construction Data

Nom. Cross Section Area	Overall Diameter	Cable Weight
	approx.	approx.
mm²	mm	kg/km
1.5	9.5	116
2.5	10.5	157
4	11.5	203
6	12.5	262
10	16.0	426
16	19.0	638
25	23.0	962
35	26.0	1,270

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.	Short circuit current at 1 sec Max.
Nom. Cross Sect. (mm²)	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)	(mH/km)	(A)	(kA)
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*

PT KMI Wire and Cable Tbk reserves the right to change the data content without prior notification
12201-02 Rev.1.3/2022

NYM 3 x (1.5-35) mm² 300/500 V

Cu / PVC / PVC

(Copper Conductor, PVC Insulated, PVC Sheathed)

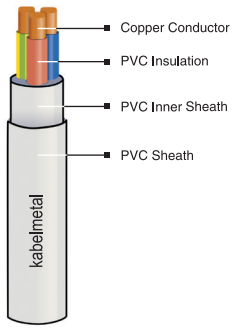
Standard Specification : SNI 04-6629.4 : 2006, IEC 60227-4 : 1992 / AMD1 : 1997

Construction Data

Nom. Cross Section Area	Overall Diameter	Cable Weight
	approx.	approx.
mm²	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.	Short circuit current at 1 sec Max.
Nom. Cross Sect. (mm²)	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)	(mH/km)	(A)	(kA)
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*

PT KMI Wire and Cable Tbk reserves the right to change the data content without prior notification
12201-03 Rev.1.3/2022

NYM 4 x (1.5-35) mm² 300/500 V

Cu / PVC / PVC

(Copper Conductor, PVC Insulated, PVC Sheathed)

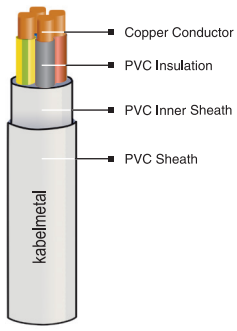
Standard Specification : SNI 04-6629.4 : 2006, IEC 60227-4 : 1992 / AMD1 : 1997

Construction Data

Nom. Cross Section Area	Overall Diameter	Cable Weight
	approx.	approx.
mm²	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 ±2%.

Electrical Data

Conductor			Insulation	Inductance	Current-Carrying Capacity at 30° C * in air Max.	Short circuit current at 1 sec Max.
Nom. Cross Sect. (mm²)	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)	(mH/km)	(A)	(kA)
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*

PT KMI Wire and Cable Tbk reserves the right to change the data content without prior notification
12201-04 Rev.1 3/2022

NYM 5 x (1.5-35) mm² 300/500 V

Cu / PVC / PVC

(Copper Conductor, PVC Insulated, PVC Sheathed)

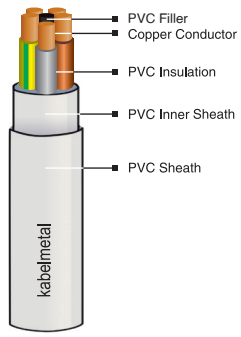
Standard Specification : SNI 04-6629.4 : 2006, IEC 60227-4 : 1992 / AMD1 : 1997

Construction Data

Nom. Cross Section Area	Overall Diameter	Cable Weight
	approx.	approx.
mm²	mm	kg/km
1.5	11.5	198
2.5	13.0	278
4	15.0	400
6	16.5	524
10	20.0	805
16	25.0	1,274
25	30.0	1,927
35	33.5	2,514

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 ±2%.

Electrical Data

Conductor			Insulation	Inductance	Current-Carrying Capacity at 30° C * in air Max.	Short circuit current at 1 sec Max.
Nom. Cross Sect. (mm²)	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)	(mH/km)	(A)	(kA)
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*

PT KMI Wire and Cable Tbk reserves the right to change the data content without prior notification
12201-05 Rev.1.3/2022

NYY 1 x (1.5-800) mm² 0.6/1 kV

CU / PVC / PVC

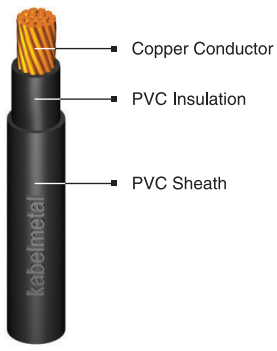
(Copper Conductor, PVC Insulated, PVC Sheathed)

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.
mm²	mm	kg/km
1.5	6.1	53
2.5	6.6	67
4	7.6	94
6	8.1	117
10	9.1	166
16	10.1	229
25	11.9	345
35	13.0	444
50	15.0	600
70	16.9	815
95	19.1	1,079
120	21.0	1,325
150	23.0	1,604
185	25.5	2,020
240	29.0	2,636
300	32.0	3,219
400	35.5	4,087
500	39.5	5,213
630	44.0	6,712
800	48.5	8,368

Application :
Power cable : Indoors, cable trunking, outdoors and burried 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 :

- 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
- Nylon Coated

Note :

Conductor Shape

1.5 - 10 sqmm supplied in solid (re) or non compacted circular stranded (rm)
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 - 300 sqmm supplied in wooden drum @ 1000 m
400 - 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 @ 20°C	AC Resistance @ 70°C	Trefoil formation ⚙	Flat Formation*) ◎◎◎	in air	in ground	in air	in ground	
	Max.	Max.			Max.	Max.	Max.	Max.	Max.
(mm²)	(Ω/km)	(Ω/km)	(mH/km)	(mH/km)	(A)	(A)	(A)	(A)	(kA)
1.5	12.1	14.478	0.459	0.725	20	26	27	29	0.17
2.5	7.41	8.866	0.423	0.689	27	34	36	38	0.29
4	4.61	5.516	0.404	0.670	36	45	48	49	0.46
6	3.08	3.685	0.380	0.646	46	56	61	61	0.69
10	1.83	2.190	0.350	0.616	63	75	83	82	1.15
16	1.15	1.376	0.326	0.592	84	97	110	106	1.84
25	0.73	0.870	0.313	0.579	113	125	146	137	2.88
35	0.524	0.627	0.300	0.566	139	150	180	164	4.03
50	0.387	0.464	0.292	0.558	170	178	219	195	5.75
70	0.268	0.321	0.279	0.545	216	218	277	240	8.05
95	0.193	0.232	0.275	0.541	268	261	341	288	10.93
120	0.153	0.184	0.267	0.533	313	298	397	329	13.80
150	0.124	0.150	0.266	0.532	361	334	455	370	17.25
185	0.099	0.121	0.265	0.531	417	377	524	419	21.28
240	0.0754	0.093	0.261	0.527	499	437	626	489	27.60
300	0.0601	0.075	0.259	0.525	574	492	721	554	34.50
400	0.0470	0.061	0.256	0.522	668	557	842	635	41.20
500	0.0366	0.049	0.252	0.518	774	628	984	728	51.50
630	0.0283	0.041	0.247	0.513	892	703	1155	835	64.89
800	0.0221	0.035	0.242	0.508	1008	775	1333	945	82.40

** 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*

PT KMI Wire and Cable Tbk reserves the right to change the data content without prior notification

14201-01 Rev.2.2/2022

NYY 2 x (1.5-300) mm² 0.6/1 kV

Cu / PVC / PVC

(Copper Conductor, PVC Insulated, PVC Sheathed)

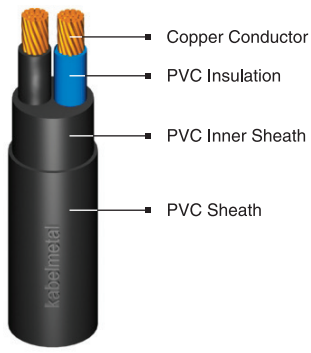
Standard Specification : SNI IEC 60502-1 : 2009, IEC 60502-1 : 2004 / AMD1 : 2009

Construction Data

Nom. Cross Section Area	Overall Diameter	Cable Weight
	approx.	approx.
mm²	mm	kg/km
1.5	12.5	200
2.5	13.4	242
4	15.4	330
6	16.5	399
10	18.4	538
16	20.5	713
25	24.0	1,001
35	26.0	1,274
50	29.5	1,536
70	33.0	2,066
95	37.5	2,787
120	41.0	3,371
150	45.0	4,114
185	50.0	5,128
240	56.0	6,581
300	62.0	8,130

Application :
Power cable : Indoors, cable trunking, outdoors and burried 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 :
- 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
- 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 suplied in wooden drum on available length
Length Tolerance per drum ± 2%

Electrical Data

Conductor			Inductance	Current - Carrying Capacity at 30°C *		Short circuit current at 1 sec
Nom. Cross Sect.	DC Resistance at 20°C	AC Resistance at 70°C		in air	in ground	
	Max.	Max.		Max.	Max.	Max.
(mm²)	(Ω/km)	(Ω/km)	(mH/km)	(A)	(A)	(kA)
1.5	12.1	14.478	0.328	23	27	0.17
2.5	7.41	8.866	0.304	30	36	0.29
4	4.61	5.516	0.303	40	47	0.46
6	3.08	3.685	0.288	51	59	0.69
10	1.83	2.190	0.269	70	80	1.15
16	1.15	1.376	0.255	93	104	1.84
25	0.727	0.870	0.255	123	134	2.88
35	0.524	0.627	0.246	151	162	4.03
50	0.387	0.464	0.247	182	191	5.75
70	0.268	0.321	0.238	230	236	8.05
95	0.193	0.232	0.238	280	281	10.93
120	0.153	0.184	0.233	325	321	13.80
150	0.124	0.150	0.233	371	361	17.25
185	0.0991	0.121	0.233	424	406	21.28
240	0.0754	0.093	0.232	501	470	27.60
300	0.0601	0.075	0.231	572	528	34.50

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

PT KMI Wire and Cable Tbk reserves the right to change the data content without prior notification

14201-02 Rev.1.3/2022

NYY 3 x (1.5-300) mm² 0.6/1 kV

Cu / PVC / PVC

(Copper Conductor, PVC Insulated, PVC Sheathed)

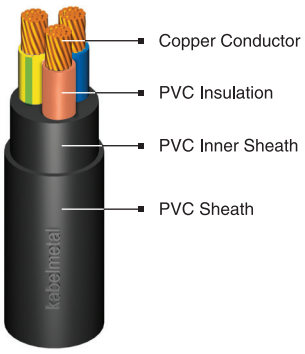
Standard Specification : SNI IEC 60502-1 : 2009, IEC 60502-1 : 2004 / AMD1 : 2009

Construction Data

Nom. Cross Section Area	Overall Diameter	Cable Weight
	approx.	approx.
mm²	mm	kg/km
1.5	13.0	224
2.5	14.0	277
4	16.1	383
6	17.3	471
10	19.4	649
16	22.0	875
25	25.0	1,248
35	27.5	1,606
50	30.0	1,857
70	34.0	2,556
95	38.5	3,428
120	41.5	4,152
150	46.0	5,115
185	50.5	6,330
240	57.0	8,215
300	62.5	10,116

Application :
Power cable : Indoors, cable trunking, outdoors and burried 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 :
- 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
- 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 - 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 - 95 sqmm supplied in wooden drum @ 1000 m
120 - 300 sqmm will be suplied in wooden drum on available length
Length Tolerance per drum ± 2%

Electrical Data

Conductor			Inductance	Current - Carrying Capacity at 30°C *		Short circuit current at 1 sec
Nom. Cross Sect.	DC Resistance at 20°C	AC Resistance at 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	0.328	19	23	0.17
2.5	7.41	8.866	0.304	26	31	0.29
4	4.61	5.516	0.303	34	40	0.46
6	3.08	3.685	0.288	44	50	0.69
10	1.83	2.190	0.269	60	68	1.15
16	1.15	1.376	0.255	79	88	1.84
25	0.727	0.870	0.255	105	114	2.88
35	0.524	0.627	0.246	129	137	4.03
50	0.387	0.464	0.247	162	168	5.75
70	0.268	0.321	0.238	203	206	8.05
95	0.193	0.232	0.238	250	247	10.93
120	0.153	0.184	0.233	289	281	13.80
150	0.124	0.150	0.233	330	315	17.25
185	0.0991	0.121	0.233	381	356	21.28
240	0.0754	0.093	0.232	451	412	27.60
300	0.0601	0.075	0.231	517	464	34.50

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

PT KMI Wire and Cable Tbk reserves the right to change the data content without prior notification
14201-03 Rev.1.3/2022

NYY 4 x (1.5-300) mm² 0.6/1 kV

Cu / PVC / PVC

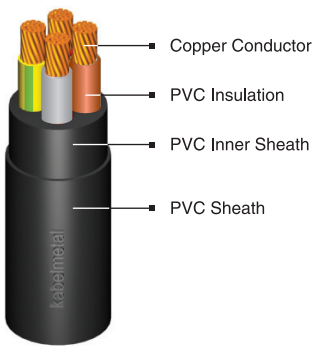
(Copper Conductor, PVC Insulated, PVC Sheathed)

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.
mm²	mm	kg/km
1.5	13.8	259
2.5	15.0	324
4	17.3	453
6	18.7	563
10	21.5	794
16	23.5	1,083
25	27.5	1,558
35	30.0	2,018
50	35.5	2,466
70	39.0	3,334
95	44.5	4,491
120	48.5	5,504
150	54.5	6,787
185	59.0	8,392
240	66.0	10,818
300	72.5	13,326

Application :
Power cable : Indoors, cable trunking, outdoors and burried 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 :
- 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
- 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 - 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 suplied in wooden drum on available length
Length Tolerance per drum ± 2%

Electrical Data

Conductor			Inductance	Current - Carrying Capacity at 30°C *		Short circuit current at 1 sec
Nom. Cross Sect.	DC Resistance at 20°C	AC Resistance at 70°C		in air	in ground	
	Max.	Max.		Max.	Max.	Max.
(mm²)	(Ω/km)	(Ω/km)	(mH/km)	(A)	(A)	(kA)
1.5	12.1	14.478	0.328	22	27	0.17
2.5	7.41	8.866	0.304	29	35	0.29
4	4.61	5.516	0.303	39	46	0.46
6	3.08	3.685	0.288	50	57	0.69
10	1.83	2.190	0.269	68	77	1.15
16	1.15	1.376	0.255	90	99	1.84
25	0.727	0.870	0.255	121	128	2.88
35	0.524	0.627	0.246	149	154	4.03
50	0.387	0.464	0.247	173	173	5.75
70	0.268	0.321	0.238	215	212	8.05
95	0.193	0.232	0.238	266	255	10.93
120	0.153	0.184	0.233	308	289	13.80
150	0.124	0.150	0.233	357	327	17.25
185	0.0991	0.121	0.233	405	366	21.28
240	0.0754	0.093	0.232	482	425	27.60
300	0.0601	0.075	0.231	552	479	34.50

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

PT KMI Wire and Cable Tbk reserves the right to change the data content without prior notification

14201-04 Rev.1.3/2022

NYY 5 x (1.5-50) mm² 0.6/1 kV

Cu / PVC / PVC

(Copper Conductor, PVC Insulated, PVC Sheathed)

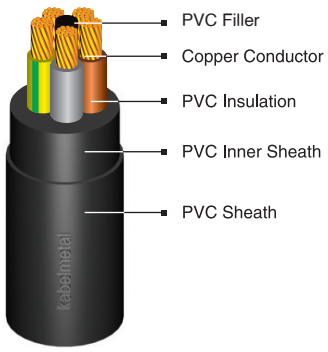
Standard Specification : SNI IEC 60502-1 : 2009, IEC 60502-1 : 2004 / AMD1 : 2009

Construction Data

Nom. Cross Section Area	Overall Diameter	Cable Weight
	approx.	approx.
mm²	mm	kg/km
1.5	14.8	302
2.5	16.0	382
4	18.7	541
6	20.5	677
10	23.0	954
16	26.0	1,309
25	30.0	1,895
35	33.0	2,478
50	38.0	3,161

Application :
Power cable : Indoors, cable trunking, outdoors and burried 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 :
- 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
- 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 - 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 ± 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	0.328	23	27	0.17
2.5	7.41	8.866	0.304	30	36	0.29
4	4.61	5.516	0.303	41	47	0.46
6	3.08	3.685	0.288	52	59	0.69
10	1.83	2.190	0.269	71	78	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	155	157	4.03
50	0.387	0.464	0.247	189	185	5.75

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

PT KMI Wire and Cable Tbk reserves the right to change the data content without prior notification

14201-05 Rev.1.3/2022

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)

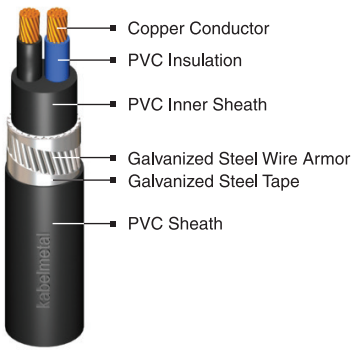
Standard Specification : SNI IEC 60502-1 : 2009, IEC 60502-1 : 2004 / AMD1 : 2009

Construction Data

Nom. Cross Section Area	Overall Diameter	Cable Weight
	approx.	approx.
mm²	mm	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 suplied in wooden drum on available length
Length Tolerance per drum ± 2%

Electrical Data

Conductor			Inductance	Current - Carrying Capacity at 30°C *		Short circuit current at 1 sec
Nom. Cross Sect.	DC Resistance at 20°C	AC Resistance at 70°C		in air	in ground	
(mm²)	Max. (Ω/km)	Max. (Ω/km)	(mH/km)	Max. (A)	Max. (A)	Max. (kA)
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*

PT KMI Wire and Cable Tbk reserves the right to change the data content without prior notification
16401-02 Rev.3.1/2022

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)

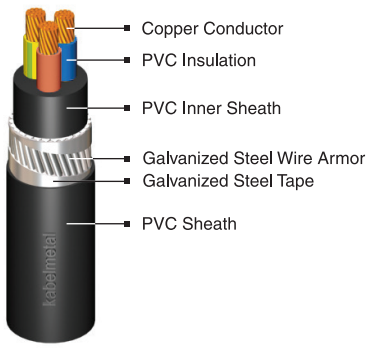
Standard Specification : SNI IEC 60502-1 : 2009, IEC 60502-1 : 2004 / AMD1 : 2009

Construction Data

Nom. Cross Section Area	Overall Diameter	Cable Weight
	approx.	approx.
mm²	mm	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 suplied in wooden drum on available length
Length Tolerance per drum ± 2%

Electrical Data

Conductor			Inductance	Current - Carrying Capacity at 30°C *		Short circuit current at 1 sec
Nom. Cross Sect.	DC Resistance at 20°C	AC Resistance at 70°C		in air	in ground	
(mm²)	Max. (Ω/km)	Max. (Ω/km)	(mH/km)	Max. (A)	Max. (A)	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*

PT KMI Wire and Cable Tbk reserves the right to change the data content without prior notification

16401-03 Rev.3.1/2022

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)

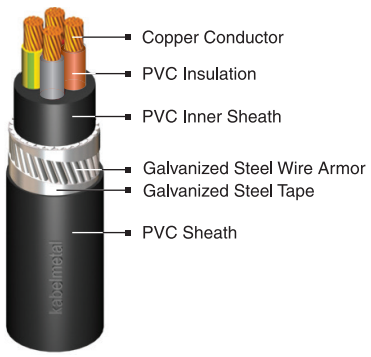
Standard Specification : SNI IEC 60502-1 : 2009, IEC 60502-1 : 2004 / AMD1 : 2009

Construction Data

Nom. Cross Section Area	Overall Diameter	Cable Weight
	approx.	approx.
mm²	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 suplied in wooden drum on available length
Length Tolerance per drum ± 2%

Electrical Data

Conductor			Inductance	Current - Carrying Capacity at 30°C *		Short circuit current at 1 sec
Nom. Cross Sect.	DC Resistance at 20°C	AC Resistance at 70°C		in air	in ground	
(mm²)	Max. (Ω/km)	Max. (Ω/km)	(mH/km)	Max. (A)	Max. (A)	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*

PT KMI Wire and Cable Tbk reserves the right to change the data content without prior notification
16401-04 Rev.3.1/2022

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)

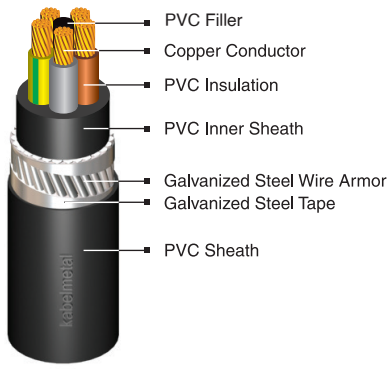
Standard Specification : SNI IEC 60502-1 : 2009, IEC 60502-1 : 2004 / AMD1 : 2009

Construction Data

Nom. Cross Section Area	Overall Diameter	Cable Weight
	approx.	approx.
mm²	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 suplied in wooden drum on available length
Length Tolerance per drum ± 2%

Electrical Data

Conductor			Inductance	Current - Carrying Capacity at 30°C *		Short circuit current at 1 sec
Nom. Cross Sect.	DC Resistance at 20°C	AC Resistance at 70°C		in air	in ground	
(mm²)	Max. (Ω/km)	Max. (Ω/km)	(mH/km)	Max. (A)	Max. (A)	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*

PT KMI Wire and Cable Tbk reserves the right to change the data content without prior notification

16401-05 Rev.3.1/2022

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)

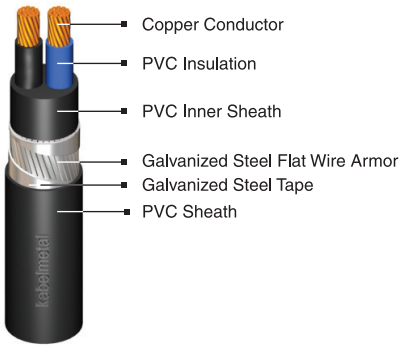
Standard Specification : SNI IEC 60502-1 : 2009, IEC 60502-1 : 2004 / AMD1 : 2009

Construction Data

Nom. Cross Section Area	Overall Diameter	Cable Weight
	approx.	approx.
mm²	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 suplied in wooden drum on available length
Length Tolerance per drum ± 2%

Electrical Data

Conductor			Inductance	Current - Carrying Capacity at 30°C *		Short circuit current at 1 sec
Nom. Cross Sect.	DC Resistance at 20°C	AC Resistance at 70°C		in air	in ground	
	Max.	Max.		Max.	Max.	Max.
(mm²)	(Ω/km)	(Ω/km)	(mH/km)	(A)	(A)	(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*

PT KMI Wire and Cable Tbk reserves the right to change the data content without prior notification
16201-02 Rev.2.1/2022

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)

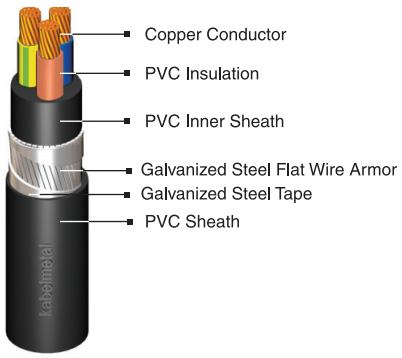
Standard Specification : SNI IEC 60502-1 : 2009, IEC 60502-1 : 2004 / AMD1 : 2009

Construction Data

Nom. Cross Section Area	Overall Diameter	Cable Weight
	approx.	approx.
mm²	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 suplied in wooden drum on available length
Length Tolerance per drum ± 2%

Electrical Data

Conductor			Inductance	Current - Carrying Capacity at 30°C *		Short circuit current at 1 sec
Nom. Cross Sect.	DC Resistance at 20°C	AC Resistance at 70°C		in air	in ground	
(mm²)	Max. (Ω/km)	Max. (Ω/km)	(mH/km)	Max. (A)	Max. (A)	Max. (kA)
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*

PT KMI Wire and Cable Tbk reserves the right to change the data content without prior notification
16201-03 Rev.2.1/2022

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)

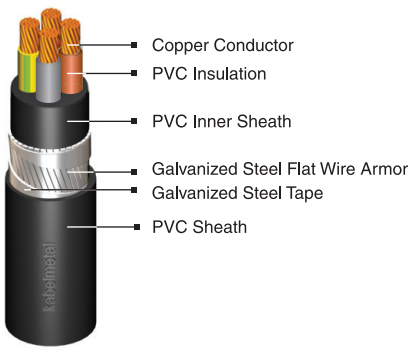
Standard Specification : SNI IEC 60502-1 : 2009, IEC 60502-1 : 2004 / AMD1 : 2009

Construction Data

Nom. Cross Section Area	Overall Diameter	Cable Weight
	approx.	approx.
mm²	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 suplied in wooden drum on available length
Length Tolerance per drum ± 2%

Electrical Data

Conductor			Inductance	Current - Carrying Capacity at 30°C *		Short circuit current at 1 sec
Nom. Cross Sect.	DC Resistance at 20°C	AC Resistance at 70°C		in air	in ground	
	Max.	Max.		Max.	Max.	Max.
(mm²)	(Ω/km)	(Ω/km)	(mH/km)	(A)	(A)	(kA)
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*

PT KMI Wire and Cable Tbk reserves the right to change the data content without prior notification
16201-04 Rev.2.1/2022

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)

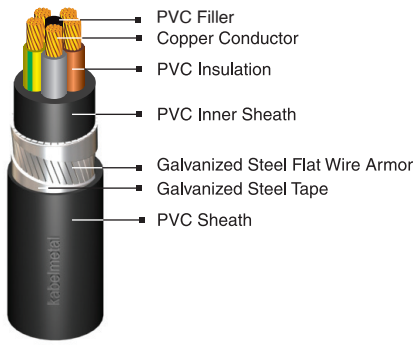
Standard Specification : SNI IEC 60502-1 : 2009, IEC 60502-1 : 2004 / AMD1 : 2009

Construction Data

Nom. Cross Section Area	Overall Diameter	Cable Weight
	approx.	approx.
mm²	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 ± 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.	Max.		Max.	Max.	Max.
(mm²)	(Ω/km)	(Ω/km)	(mH/km)	(A)	(A)	(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*

PT KMI Wire and Cable Tbk reserves the right to change the data content without prior notification
16201-05 Rev.2.1/2022

NA2XY 1 x (10-800) mm² 0.6/1 kV

Al / XLPE / PVC

(Aluminium Conductor, XLPE Insulated, PVC Sheathed)

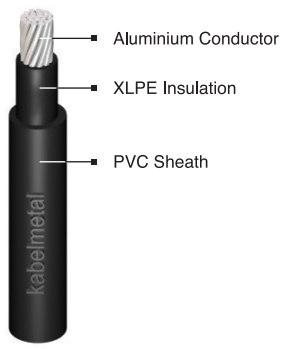
Standard Specification : SNI IEC 60502-1 : 2009, IEC 60502-1 : 2004 / AMD1 : 2009

Construction Data

Nom. Cross Section Area	Overall Diameter	Cable Weight
	approx.	approx.
mm²	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 burried 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 ± 2%

Electrical Data

Conductor			Inductance		Current - Carrying Capacity at 30° C				Short circuit current at 1 sec
					⊚⊚		⊚⊚⊚		
Nom. Cross Sect.	DC Resistance @ 20°C	AC Resistance at 90°C	Trefoil formation ⊚⊚	Flat Formation*) ⊚⊚⊚	in air	in ground	in air	in ground	
	Max.	Max.			Max.	Max.	Max.	Max.	Max.
(mm²)	(Ω/km)	(Ω/km)	(mH/km)	(mH/km)	(A)	(A)	(A)	(A)	(kA)
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*

PT KMI Wire and Cable Tbk reserves the right to change the data content without prior notification
25701-01 Rev.2.1/2022

NA2XY 2 x (10-300) mm² 0.6/1 kV

Al / XLPE / PVC

(Aluminium Conductor, XLPE Insulated, PVC Sheathed)

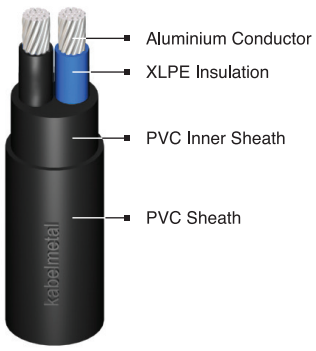
Standard Specification : SNI IEC 60502-1 : 2009, IEC 60502-1 : 2004 / AMD1 : 2009

Construction Data

Nom. Cross Section Area	Overall Diameter	Cable Weight
	approx.	approx.
mm²	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 burried 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 suplied in wooden drum on available length
Length Tolerance per drum ± 2%

Electrical Data

Conductor			Inductance	Current - Carrying Capacity at 30°C *		Short circuit current at 1 sec
Nom. Cross Sect.	DC Resistance at 20°C	AC Resistance at 90°C		in air	in ground	
	Max.	Max.		Max.	Max.	Max.
(mm²)	(Ω/km)	(Ω/km)	(mH/km)	(A)	(A)	(kA)
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*

PT KMI Wire and Cable Tbk reserves the right to change the data content without prior notification
25701-02 Rev.1.1/2022

NA2XY 3 x (10-300) mm² 0.6/1 kV

Al / XLPE / PVC

(Aluminium Conductor, XLPE Insulated, PVC Sheathed)

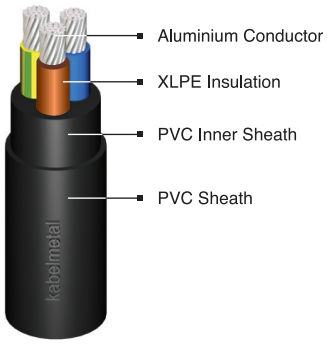
Standard Specification : SNI IEC 60502-1 : 2009, IEC 60502-1 : 2004 / AMD1 : 2009

Construction Data

Nom. Cross Section Area	Overall Diameter	Cable Weight
	approx.	approx.
mm²	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 burried 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 suplied in wooden drum on available length
Length Tolerance per drum ± 2%

Electrical Data

Conductor			Inductance	Current - Carrying Capacity at 30°C *		Short circuit current at 1 sec
Nom. Cross Sect.	DC Resistance at 20°C	AC Resistance at 90°C		in air	in ground	
	Max.	Max.		Max.	Max.	Max.
(mm²)	(Ω/km)	(Ω/km)	(mH/km)	(A)	(A)	(kA)
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*

PT KMI Wire and Cable Tbk reserves the right to change the data content without prior notification
25701-03 Rev.1.1/2022

NA2XY 4 x (10-300) mm² 0.6/1 kV

Al / XLPE / PVC

(Aluminium Conductor, XLPE Insulated, PVC Sheathed)

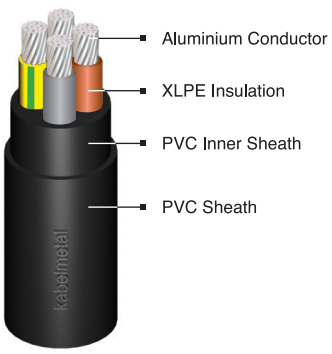
Standard Specification : SNI IEC 60502-1 : 2009, IEC 60502-1 : 2004 / AMD1 : 2009

Construction Data

Nom. Cross Section Area	Overall Diameter	Cable Weight
	approx.	approx.
mm²	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 burried 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 suplied in wooden drum on available length
Length Tolerance per drum ± 2%

Electrical Data

Conductor			Inductance	Current - Carrying Capacity at 30°C *		Short circuit current at 1 sec
Nom. Cross Sect.	DC Resistance at 20°C	AC Resistance at 90°C		in air	in ground	
(mm²)	Max. (Ω/km)	Max. (Ω/km)	(mH/km)	Max. (A)	Max. (A)	Max. (kA)
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*

PT KMI Wire and Cable Tbk reserves the right to change the data content without prior notification

25701-04 Rev.1.1/2022

NA2XY 5 x (10-50) mm² 0.6/1 kV

Al / XLPE / PVC

(Aluminium Conductor, XLPE Insulated, PVC Sheathed)

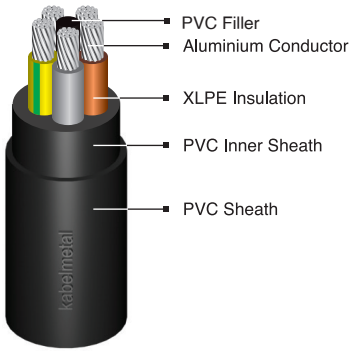
Standard Specification : SNI IEC 60502-1 : 2009, IEC 60502-1 : 2004 / AMD1 : 2009

Construction Data

Nom. Cross Section Area	Overall Diameter	Cable Weight
	approx.	approx.
mm²	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 burried 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

Conductor			Inductance	Current - Carrying Capacity at 30°C *		Short circuit current at 1 sec
Nom. Cross Sect.	DC Resistance at 20°C	AC Resistance at 90°C		in air	in ground	
	Max.	Max.		Max.	Max.	Max.
(mm²)	(Ω/km)	(Ω/km)	(mH/km)	(A)	(A)	(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*

PT KMI Wire and Cable Tbk reserves the right to change the data content without prior notification
25701-05 Rev.1.1/2022

N2XSY 1 x (25-800) mm² 3.6/6 kV

Cu / XLPE / CTS / PVC

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

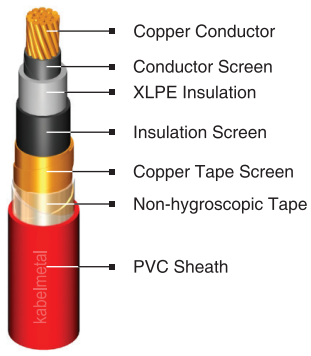
Standard Specification : SNI IEC 60502-2 : 2009, IEC 60502-2 : 2014

Construction Data

Nom. Cross Section Area	Overall Diameter	Cable Weight
	approx.	approx.
mm²	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 suplied in wooden drum on available length
Length Tolerance per drum ± 2%

Electrical Data

Conductor			Inductance		Current - Carrying Capacity at 30° C *				Short circuit current at 1 sec	
					⚇		⚇⚇⚇			
Nom. Cross Sect.	DC Resistance at 20°C	AC Resistance at 90°C	Trefoil formation ⚇	Flat Formation*) ⚇⚇⚇	in air	in ground	in air	in ground	Conductor	Screen
(mm²)	Max. (Ω/km)	Max. (Ω/km)	(mH/km)	(mH/km)	Max. (A)	Max. (A)	Max. (A)	Max. (A)	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*

PT KMI Wire and Cable Tbk reserves the right to change the data content without prior notification
14601-01 Rev. 2.1/2022

N2XSY 1 x (25-800) mm² 6/10 kV

Cu / XLPE / CTS / PVC

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

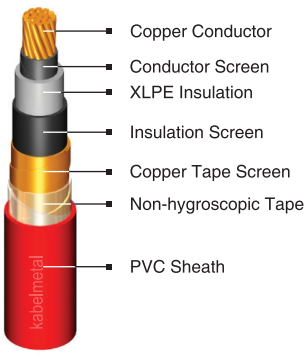
Standard Specification : SNI IEC 60502-2 : 2009, IEC 60502-2 : 2014

Construction Data

Nom. Cross Section Area	Overall Diameter	Cable Weight
	approx.	approx.
mm²	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 suplied in wooden drum on available length
Length Tolerance per drum ± 2%

Electrical Data

Conductor			Inductance		Current - Carrying Capacity at 30° C *				Short circuit current at 1 sec	
					⚇		◎◎◎			
Nom. Cross Sect.	DC Resistance at 20°C	AC Resistance at 90°C	Trefoil formation ⚇	Flat Formation*) ◎◎◎	in air	in ground	in air	in ground	Conductor	Screen
(mm²)	Max. (Ω/km)	Max. (Ω/km)	(mH/km)	(mH/km)	Max. (A)	Max. (A)	Max. (A)	Max. (A)	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*

PT KMI Wire and Cable Tbk reserves the right to change the data content without prior notification

14601-02 Rev. 2.1/2022

N2XSY 1 x (25-800) mm² 8.7/15 kV

Cu / XLPE / CTS / PVC

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

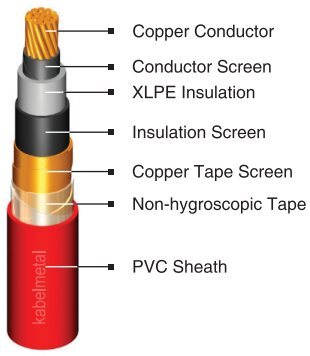
Standard Specification : SNI IEC 60502-2 : 2009, IEC 60502-2 : 2014

Construction Data

Nom. Cross Section Area	Overall Diameter	Cable Weight
	approx.	approx.
mm²	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 suplied in wooden drum on available length
Length Tolerance per drum ± 2%

Electrical Data

Conductor			Inductance		Current - Carrying Capacity at 30° C *				Short circuit current at 1 sec	
					△		○○○			
Nom. Cross Sect.	DC Resistance at 20°C	AC Resistance at 90°C	Trefoil formation △	Flat Formation*) ○○○	in air	in ground	in air	in ground	Conductor	Screen
(mm²)	Max. (Ω/km)	Max. (Ω/km)	(mH/km)	(mH/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*

PT KMI Wire and Cable Tbk reserves the right to change the data content without prior notification
14601-03 Rev. 2.1/2022

N2XSY 1 x (35-800) mm² 12/20 kV

Cu / XLPE / CTS / PVC

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

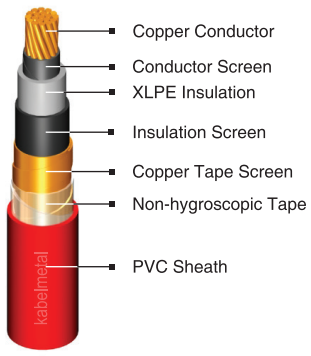
Standard Specification : SNI IEC 60502-2 : 2009, IEC 60502-2 : 2014

Construction Data

Nom. Cross Section Area	Overall Diameter	Cable Weight
	approx.	approx.
mm²	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 suplied in wooden drum on available length
Length Tolerance per drum ± 2%

Electrical Data

Conductor			Inductance		Current - Carrying Capacity at 30° C *				Short circuit current at 1 sec	
					in air	in ground	in air	in ground		
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)	(mH/km)	(mH/km)	Max. (A)	Max. (A)	Max. (A)	Max. (A)	Max. (kA)	Max. (kA)
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*

PT KMI Wire and Cable Tbk reserves the right to change the data content without prior notification
14601-04 Rev.2.1/2022

N2XSY 1 x (50-800) mm² 18/30 kV

Cu / XLPE/ CTS / PVC

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

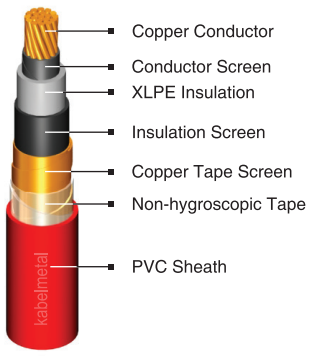
Standard Specification : SNI IEC 60502-2 : 2009, IEC 60502-2 : 2014

Construction Data

Nom. Cross Section Area	Overall Diameter	Cable Weight
	approx.	approx.
mm²	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 suplied in wooden drum on available length
Length Tolerance per drum ± 2%

Electrical Data

Conductor			Inductance		Current - Carrying Capacity at 30° C *				Short circuit current at 1 sec	
					⚇		⚇⚇⚇			
Nom. Cross Sect.	DC Resistance at 20°C	AC Resistance at 90°C	Trefoil formation ⚇	Flat Formation*) ⚇⚇⚇	in air	in ground	in air	in ground	Conductor	Screen
(mm²)	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*

PT KMI Wire and Cable Tbk reserves the right to change the data content without prior notification

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)

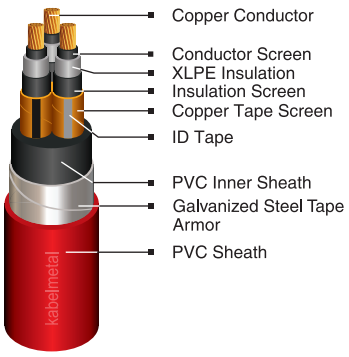
Standard Specification : SNI IEC 60502-2 : 2009, IEC 60502-2 : 2014

Construction Data

Nom. Cross Section Area	Overall Diameter	Cable Weight
	approx.	approx.
mm²	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 suplied in wooden drum on available length
Length Tolerance per drum ± 2%

Electrical Data

Conductor			Inductance	Current - Carrying Capacity at 30° C *		Short circuit current at 1 sec	
Nom. Cross Sect.	DC Resistance at 20°C	AC Resistance at 90°C		in air	in ground	Conductor	Screen
(mm²)	Max. (Ω/km)	Max. (Ω/km)	(mH/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*

PT KMI Wire and Cable Tbk reserves the right to change the data content without prior notification
16801-01 Rev.1.1/2022

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)

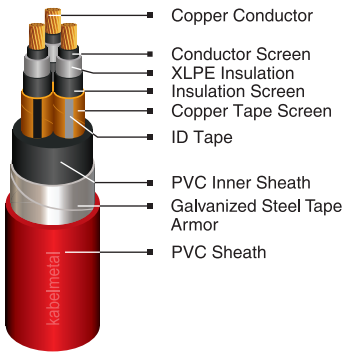
Standard Specification : SNI IEC 60502-2 : 2009, IEC 60502-2 : 2014

Construction Data

Nom. Cross Section Area	Overall Diameter	Cable Weight
	approx.	approx.
mm²	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 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 suplied in wooden drum on available length
Length Tolerance per drum ± 2%

Electrical Data

Conductor			Inductance	Current - Carrying Capacity at 30° C *		Short circuit current at 1 sec	
Nom. Cross Sect.	DC Resistance at 20°C	AC Resistance at 90°C		in air	in ground	Conductor	Screen
(mm²)	Max. (Ω/km)	Max. (Ω/km)	(mH/km)	Max. (A)	Max. (A)	Max. (kA)	Max. (kA)
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*

PT KMI Wire and Cable Tbk reserves the right to change the data content without prior notification
16801-02 Rev.1.1/2022

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)

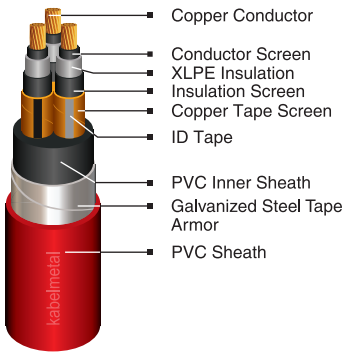
Standard Specification : SNI IEC 60502-2 : 2009, IEC 60502-2 : 2014

Construction Data

Nom. Cross Section Area	Overall Diameter	Cable Weight
	approx.	approx.
mm²	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 suplied in wooden drum on available length
Length Tolerance per drum ± 2%

Electrical Data

Conductor			Inductance	Current - Carrying Capacity at 30° C *		Short circuit current at 1 sec	
Nom. Cross Sect.	DC Resistance at 20°C	AC Resistance at 90°C		in air	in ground	Conductor	Screen
(mm²)	Max. (Ω/km)	Max. (Ω/km)	(mH/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*

PT KMI Wire and Cable Tbk reserves the right to change the data content without prior notification
16801-03 Rev.1.1/2022

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)

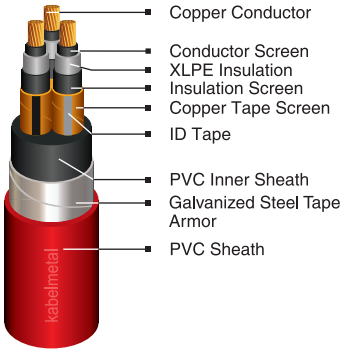
Standard Specification : SNI IEC 60502-2 : 2009, IEC 60502-2 : 2014

Construction Data

Nom. Cross Section Area	Overall Diameter	Cable Weight
	approx.	approx.
mm²	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 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
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 suplied in wooden drum on available length
Length Tolerance per drum ± 2%

Electrical Data

Conductor			Inductance	Current - Carrying Capacity at 30° C *		Short circuit current at 1 sec	
Nom. Cross Sect.	DC Resistance at 20°C	AC Resistance at 90°C		in air	in ground	Conductor	Screen
(mm²)	Max. (Ω/km)	Max. (Ω/km)	(mH/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*

PT KMI Wire and Cable Tbk reserves the right to change the data content without prior notification
16801-04 Rev.1.1/2022

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)

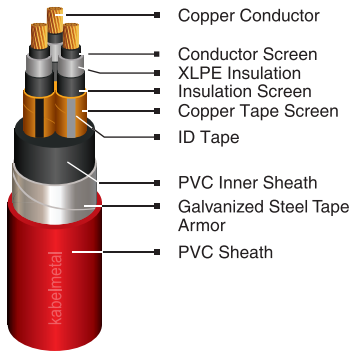
Standard Specification : SNI IEC 60502-2 : 2009, IEC 60502-2 : 2014

Construction Data

Nom. Cross Section Area	Overall Diameter	Cable Weight
	approx.	approx.
mm²	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 suplied in wooden drum on available length
Length Tolerance per drum ± 2%

Electrical Data

Conductor			Inductance	Current - Carrying Capacity at 30° C *		Short circuit current at 1 sec	
Nom. Cross Sect.	DC Resistance at 20°C	AC Resistance at 90°C		in air	in ground	Conductor	Screen
(mm²)	Max. (Ω/km)	Max. (Ω/km)	(mH/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*

PT KMI Wire and Cable Tbk reserves the right to change the data content without prior notification

16801-05 Rev.1.1/2022

NA2XSY 1 x (25-800) mm² 3.6/6 kV

Al / XLPE/ CTS / PVC

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

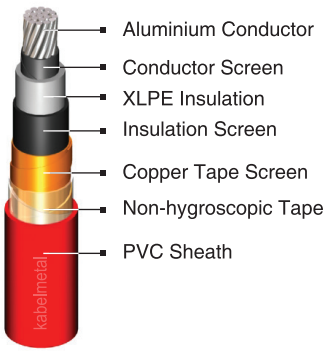
Standard Specification : SNI IEC 60502-2 : 2009, IEC 60502-2 : 2014

Construction Data

Nom. Cross Section Area	Overall Diameter	Cable Weight
	approx.	approx.
mm²	mm	kg/km
25	16.9	374
35	18.1	431
50	19.1	492
70	21.0	593
95	23.0	706
120	24.5	807
150	25.5	867
185	27.5	1,018
240	30.0	1,243
300	32.5	1,474
400	36.5	1,777
500	40.0	2,178
630	45.0	2,700
800	47.7	3,295

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
- 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

Standard Packing
25 - 800 sqmm supplied in wooden drum @ 1000 m
Length Tolerance per drum ± 2%

Electrical Data

Conductor			Inductance		Current - Carrying Capacity at 30° C *				Short circuit current at 1 sec	
					⚇		◎◎◎			
Nom. Cross Sect.	DC Resistance at 20°C	AC Resistance at 90°C	Trefoil formation ⚇	Flat Formation*) ◎◎◎	in air	in ground	in air	in ground	Conductor	Screen
(mm²)	Max. (Ω/km)	Max. (Ω/km)	(mH/km)	(mH/km)	Max. (A)	Max. (A)	Max. (A)	Max. (A)	Max. (kA)	Max. (kA)
25	1.20	1.536	0.394	0.660	121	117	149	128	2.35	1.14
35	0.868	1.111	0.376	0.642	146	140	181	153	3.29	1.14
50	0.641	0.821	0.359	0.625	176	166	217	181	4.70	1.14
70	0.443	0.567	0.339	0.605	221	203	273	223	6.58	1.14
95	0.320	0.410	0.324	0.590	269	243	332	267	8.93	1.14
120	0.253	0.324	0.313	0.579	312	277	386	305	11.28	1.14
150	0.206	0.264	0.303	0.569	354	310	438	341	14.10	1.14
185	0.164	0.211	0.292	0.558	412	352	510	390	17.39	1.14
240	0.125	0.161	0.286	0.552	488	408	602	453	22.56	1.14
300	0.100	0.130	0.282	0.548	563	461	694	513	28.20	1.14
400	0.0778	0.102	0.279	0.545	664	528	814	592	37.60	1.14
500	0.0605	0.080	0.274	0.540	776	604	954	681	47.00	1.14
630	0.0469	0.064	0.266	0.532	907	688	1122	785	59.22	1.14
800	0.0367	0.052	0.260	0.526	1049	776	1311	899	75.20	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*

PT KMI Wire and Cable Tbk reserves the right to change the data content without prior notification
24601-01 Rev.2.1/2022

NA2XSY 1 x (25-800) mm² 6/10 kV

Al / XLPE/ CTS / PVC

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

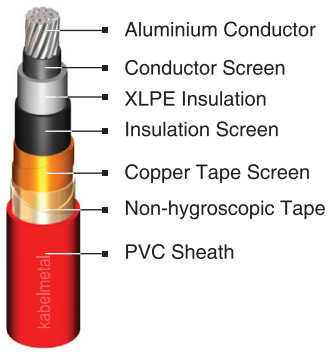
Standard Specification : SNI IEC 60502-2 : 2009, IEC 60502-2 : 2014

Construction Data

Nom. Cross Section Area	Overall Diameter	Cable Weight
	approx.	approx.
mm²	mm	kg/km
25	18.7	437
35	19.9	497
50	21.0	561
70	23.0	666
95	24.5	744
120	26.0	847
150	27.5	961
185	29.5	1,104
240	31.5	1,326
300	34.0	1,500
400	37.5	1,824
500	40.5	2,204
630	45.0	2,728
800	48.1	3,326

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
- 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

Standard Packing
25 - 800 sqmm supplied in wooden drum @ 1000 m
Length Tolerance per drum ± 2%

Electrical Data

Conductor			Inductance		Current - Carrying Capacity at 30° C *				Short circuit current at 1 sec	
					⚇		⚇⚇⚇			
Nom. Cross Sect.	DC Resistance at 20°C	AC Resistance at 90°C	Trefoil formation	Flat Formation*)	in air	in ground	in air	in ground	Conductor	Screen
(mm²)	Max. (Ω/km)	Max. (Ω/km)	(mH/km)	(mH/km)	Max. (A)	Max. (A)	Max. (A)	Max. (A)	Max. (kA)	Max. (kA)
25	1.20	1.536	0.415	0.681	123	117	150	128	2.35	1.14
35	0.868	1.111	0.395	0.661	149	140	181	153	3.29	1.14
50	0.641	0.821	0.377	0.643	179	166	218	181	4.70	1.14
70	0.443	0.567	0.356	0.621	224	203	273	222	6.58	1.14
95	0.320	0.410	0.340	0.606	272	243	333	266	8.93	1.14
120	0.253	0.324	0.327	0.593	315	277	385	304	11.28	1.14
150	0.206	0.264	0.319	0.585	358	309	437	341	14.10	1.14
185	0.164	0.211	0.307	0.573	416	352	508	389	17.39	1.14
240	0.125	0.161	0.298	0.564	491	408	600	452	22.56	1.14
300	0.100	0.130	0.290	0.556	565	460	690	512	28.20	1.14
400	0.0778	0.102	0.284	0.550	665	528	812	591	37.60	1.14
500	0.0605	0.080	0.277	0.543	776	603	951	680	47.00	1.14
630	0.0469	0.064	0.269	0.535	907	688	1119	784	59.22	1.14
800	0.0367	0.052	0.262	0.528	1050	776	1309	899	75.20	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*

PT KMI Wire and Cable Tbk reserves the right to change the data content without prior notification
24601-02 Rev.2.1/2022

NA2XSY 1 x (25-800) mm² 8.7/15 kV

Al / XLPE/ CTS / PVC

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

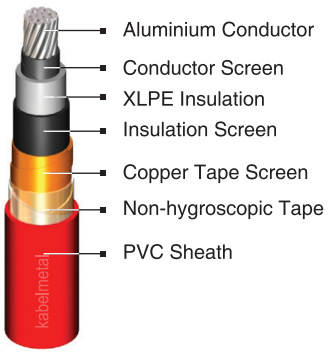
Standard Specification : SNI IEC 60502-2 : 2009, IEC 60502-2 : 2014

Construction Data

Nom. Cross Section Area	Overall Diameter	Cable Weight
	approx.	approx.
mm²	mm	kg/km
25	21.0	520
35	22.5	584
50	23.5	651
70	25.0	722
95	27.0	853
120	28.5	961
150	30.0	1,081
185	32.0	1,231
240	34.0	1,406
300	36.5	1,640
400	40.0	1,977
500	42.5	2,368
630	47.5	2,910
800	50.5	3,523

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
- 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

Standard Packing
25 - 800 sqmm supplied in wooden drum @ 1000 m
Length Tolerance per drum ± 2%

Electrical Data

Conductor			Inductance		Current - Carrying Capacity at 30° C *				Short circuit current at 1 sec	
			Trefoil formation	Flat Formation*)	in air	in ground	in air	in ground		
Nom. Cross Sect.	DC Resistance at 20°C	AC Resistance at 90°C							Conductor	Screen
(mm²)	Max. (Ω/km)	Max. (Ω/km)	(mH/km)	(mH/km)	Max. (A)	Max. (A)	Max. (A)	Max. (A)	Max. (kA)	Max. (kA)
25	1.20	1.536	0.437	0.703	125	117	150	127	2.35	1.14
35	0.868	1.111	0.416	0.682	152	140	182	153	3.29	1.14
50	0.641	0.821	0.398	0.664	182	166	218	180	4.70	1.14
70	0.443	0.567	0.373	0.639	227	203	273	222	6.58	1.14
95	0.320	0.410	0.357	0.623	275	243	332	266	8.93	1.14
120	0.253	0.324	0.345	0.611	319	276	385	303	11.28	1.14
150	0.206	0.264	0.335	0.601	362	309	437	340	14.10	1.14
185	0.164	0.211	0.323	0.589	420	352	507	388	17.39	1.14
240	0.1250	0.161	0.312	0.578	495	407	597	451	22.56	1.14
300	0.1000	0.130	0.303	0.569	569	460	688	512	28.20	1.14
400	0.0778	0.102	0.296	0.562	668	528	808	590	37.60	1.14
500	0.0605	0.080	0.288	0.554	780	603	946	679	47.00	1.14
630	0.0469	0.064	0.279	0.545	910	689	1111	784	59.22	1.14
800	0.0367	0.052	0.272	0.538	1053	777	1297	898	75.20	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*

PT KMI Wire and Cable Tbk reserves the right to change the data content without prior notification
24601-03 Rev.2.1/2022

NA2XSY 1 x (35-800) mm² 12/20 kV

Al / XLPE/ CTS / PVC

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

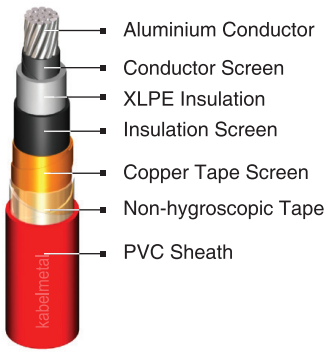
Standard Specification : SNI IEC 60502-2 : 2009, IEC 60502-2 : 2014

Construction Data

Nom. Cross Section Area	Overall Diameter	Cable Weight
	approx.	approx.
mm²	mm	kg/km
35	24.5	669
50	25.5	698
70	27.5	824
95	29.0	948
120	30.5	1,074
150	32.0	1,185
185	34.0	1,300
240	36.5	1,535
300	38.5	1,759
400	42.0	2,107
500	45.0	2,506
630	49.5	3,063
800	52.7	3,713

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
- 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

Standard Packing
25 - 800 sqmm supplied in wooden drum @ 1000 m
Length Tolerance per drum ± 2%

Electrical Data

Conductor			Inductance		Current - Carrying Capacity at 30° C *				Short circuit current at 1 sec	
					⚙		◎◎◎			
Nom. Cross Sect.	DC Resistance at 20°C	AC Resistance at 90°C	Trefoil formation ⚙	Flat Formation*) ◎◎◎	in air	in ground	in air	in ground	Conductor	Screen
(mm²)	Max. (Ω/km)	Max. (Ω/km)	(mH/km)	(mH/km)	Max. (A)	Max. (A)	Max. (A)	Max. (A)	Max. (kA)	Max. (kA)
35	0.868	1.111	0.434	0.700	154	140	182	152	3.29	1.14
50	0.641	0.821	0.413	0.679	183	165	218	180	4.70	1.14
70	0.443	0.567	0.389	0.655	229	203	273	222	6.58	1.14
95	0.320	0.410	0.373	0.639	278	242	332	265	8.93	1.14
120	0.253	0.324	0.360	0.626	322	276	384	303	11.28	1.14
150	0.206	0.264	0.350	0.616	365	309	435	340	14.10	1.14
185	0.164	0.211	0.335	0.601	422	351	504	387	17.39	1.14
240	0.125	0.161	0.324	0.590	497	407	595	450	22.56	1.14
300	0.1000	0.129	0.315	0.581	571	460	684	511	28.20	1.14
400	0.0778	0.101	0.307	0.573	671	528	803	589	37.60	1.14
500	0.0605	0.080	0.298	0.564	782	603	939	678	47.00	1.14
630	0.0469	0.063	0.288	0.554	912	689	1103	782	59.22	1.14
800	0.0367	0.051	0.279	0.545	1055	778	1289	897	75.20	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*

PT KMI Wire and Cable Tbk reserves the right to change the data content without prior notification

NA2XSY 1 x (50-800) mm² 18/30 kV

Al / XLPE/ CTS / PVC

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

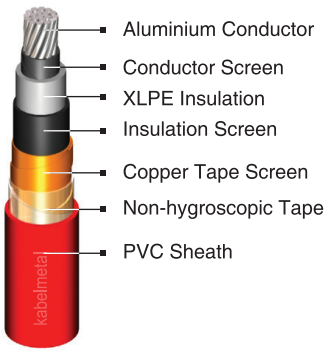
Standard Specification : SNI IEC 60502-2 : 2009, IEC 60502-2 : 2014

Construction Data

Nom. Cross Section Area	Overall Diameter	Cable Weight
	approx.	approx.
mm²	mm	kg/km
50	31.0	963
70	33.0	1,105
95	34.5	1,187
120	36.0	1,324
150	37.5	1,443
185	39.5	1,628
240	41.5	1,863
300	44.0	2,123
400	47.5	2,500
500	50.5	2,923
630	55.0	3,520
800	57.9	4,180

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
- 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

Standard Packing
50 - 400 sqmm supplied in wooden drum @ 1000 m
500 - 800 sqmm will be suplied in wooden drum on available length
Length Tolerance per drum ± 2%

Electrical Data

Conductor			Inductance		Current - Carrying Capacity at 30° C *				Short circuit current at 1 sec	
					⊚		⊚⊚⊚			
Nom. Cross Sect.	DC Resistance at 20°C	AC Resistance at 90°C	Trefoil formation ⊚	Flat Formation*) ⊚⊚⊚	in air	in ground	in air	in ground	Conductor	Screen
(mm²)	Max. (Ω/km)	Max. (Ω/km)	(mH/km)	(mH/km)	Max. (A)	Max. (A)	Max. (A)	Max. (A)	Max. (kA)	Max. (kA)
50	0.641	0.821	0.453	0.719	188	165	218	179	4.70	1.14
70	0.443	0.567	0.426	0.692	234	202	272	221	6.58	1.14
95	0.320	0.410	0.407	0.673	283	241	330	264	8.93	1.14
120	0.253	0.324	0.392	0.658	327	275	381	302	11.28	1.14
150	0.206	0.264	0.381	0.647	370	308	431	338	14.10	1.14
185	0.164	0.211	0.365	0.631	427	350	500	386	17.39	1.14
240	0.1250	0.161	0.353	0.619	502	406	589	449	22.56	1.14
300	0.1000	0.129	0.342	0.608	576	459	676	509	28.20	1.14
400	0.0778	0.101	0.332	0.597	675	527	792	587	37.60	1.14
500	0.0605	0.080	0.321	0.587	785	603	925	676	47.00	1.14
630	0.0469	0.063	0.309	0.575	915	689	1085	780	59.22	1.14
800	0.0367	0.051	0.299	0.565	1058	780	1265	894	75.20	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*

PT KMI Wire and Cable Tbk reserves the right to change the data content without prior notification
24601-05 Rev.2.1/2022

NA2XSEBY 3 x (25-300) mm² 3.6/6 kV

Al / XLPE / CTS / PVC / STA / PVC

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

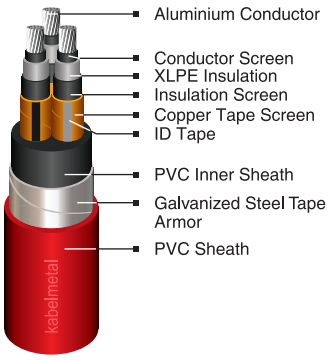
Standard Specification : SNI IEC 60502-2 : 2009, IEC 60502-2 : 2014

Construction Data

Nom. Cross Section Area	Overall Diameter	Cable Weight
	approx.	approx.
mm²	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 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 - 70 sqmm supplied in wooden drum @ 1000 m
95 - 300 sqmm will be suplied in wooden drum on available length
Length Tolerance per drum ± 2%

Electrical Data

Conductor			Inductance	Current - Carrying Capacity at 30° C *		Short circuit current at 1 sec	
Nom. Cross Sect.	DC Resistance at 20°C	AC Resistance at 90°C		in air	in ground	Conductor	Screen
(mm²)	Max. (Ω/km)	Max. (Ω/km)	(mH/km)	Max. (A)	Max. (A)	Max. (kA)	Max. (kA)
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*

PT KMI Wire and Cable Tbk reserves the right to change the data content without prior notification

26801-01 Rev.1.1/2022

NA2XSEBY 3 x (25-300) mm² 6/10 kV

Al / XLPE / CTS / PVC / STA / PVC

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

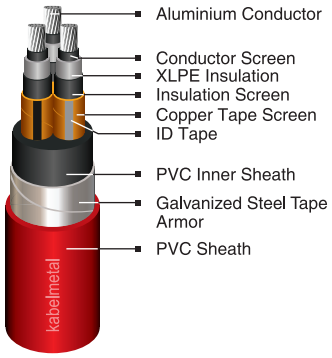
Standard Specification : SNI IEC 60502-2 : 2009, IEC 60502-2 : 2014

Construction Data

Nom. Cross Section Area	Overall Diameter	Cable Weight
	approx.	approx.
mm²	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 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 - 50 sqmm supplied in wooden drum @ 1000 m
70 - 300 sqmm will be suplied in wooden drum on available length
Length Tolerance per drum ± 2%

Electrical Data

Conductor			Inductance	Current - Carrying Capacity at 30° C *		Short circuit current at 1 sec	
Nom. Cross Sect.	DC Resistance at 20°C	AC Resistance at 90°C		in air	in ground	Conductor	Screen
(mm²)	Max. (Ω/km)	Max. (Ω/km)	(mH/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

Al / XLPE / CTS / PVC / STA / PVC

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

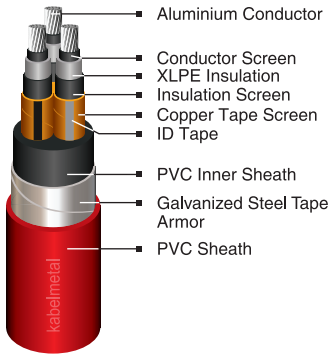
Standard Specification : SNI IEC 60502-2 : 2009, IEC 60502-2 : 2014

Construction Data

Nom. Cross Section Area	Overall Diameter	Cable Weight
	approx.	approx.
mm²	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 suplied in wooden drum on available length
Length Tolerance per drum ± 2%

Electrical Data

Conductor			Inductance	Current - Carrying Capacity at 30° C *		Short circuit current at 1 sec	
Nom. Cross Sect.	DC Resistance at 20°C	AC Resistance at 90°C		in air	in ground	Conductor	Screen
(mm²)	Max. (Ω/km)	Max. (Ω/km)	(mH/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*

PT KMI Wire and Cable Tbk reserves the right to change the data content without prior notification

26801-03 Rev.1.1/2022

NA2XSEBY 3 x (35-300) mm² 12/20 kV

Al / XLPE / CTS / PVC / STA / PVC

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

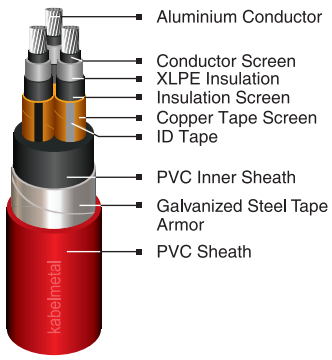
Standard Specification : SNI IEC 60502-2 : 2009, IEC 60502-2 : 2014

Construction Data

Nom. Cross Section Area	Overall Diameter	Cable Weight
	approx.	approx.
mm²	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 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
35 - 300 sqmm supplied in compacted circular stranded (cm) conductor shape

Standard Packing
35 - 300 sqmm will be suplied in wooden drum on available length
Length Tolerance per drum ± 2%

Electrical Data

Conductor			Inductance	Current - Carrying Capacity at 30° C *		Short circuit current at 1 sec	
Nom. Cross Sect.	DC Resistance at 20°C	AC Resistance at 90°C		in air	in ground	Conductor	Screen
(mm²)	Max. (Ω/km)	Max. (Ω/km)	(mH/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

Al / XLPE / CTS / PVC / STA / PVC

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

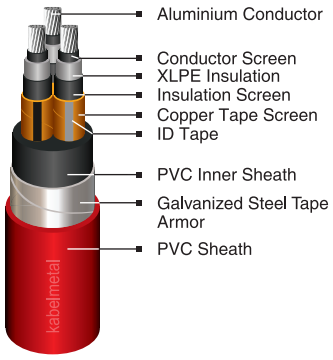
Standard Specification : SNI IEC 60502-2 : 2009, IEC 60502-2 : 2014

Construction Data

Nom. Cross Section Area	Overall Diameter	Cable Weight
	approx.	approx.
mm²	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 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
50 - 300 sqmm supplied in compacted circular stranded (cm) conductor shape

Standard Packing
50 - 300 sqmm will be suplied in wooden drum on available length
Length Tolerance per drum ± 2%

Electrical Data

Conductor			Inductance	Current - Carrying Capacity at 30° C *		Short circuit current at 1 sec	
Nom. Cross Sect.	DC Resistance at 20°C	AC Resistance at 90°C		in air	in ground	Conductor	Screen
(mm²)	Max. (Ω/km)	Max. (Ω/km)	(mH/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*

PT KMI Wire and Cable Tbk reserves the right to change the data content without prior notification

26801-05 Rev.1.1/2022

FIRE RESISTANT CABLE
N2XY 1 x (1.5-800) mm² 0.6/1 kV
Cu / Mica / XLPE / PVC

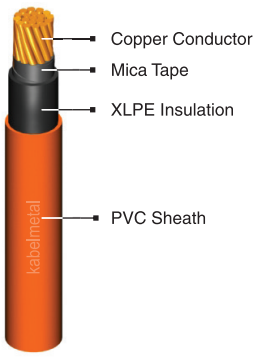
(Copper Conductor, Mica Tape, XLPE Insulated, PVC Sheathed)

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
	approx.	approx.
mm²	mm	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
					in air	in ground	in air	in ground	
Nom. Cross Sect.	DC Resistance at 20°C	AC Resistance at 90°C	Trefoil Formation	Flat Formation*)					
	Max.	Max.			Max.	Max.	Max.	Max.	Max.
(mm²)	(Ω/km)	(Ω/km)	(mH/km)	(mH/km)	(A)	(A)	(A)	(A)	(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*

PT KMI Wire and Cable Tbk reserves the right to change the data content without prior notification

15701CH-01 Rev.1.2/2022

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)

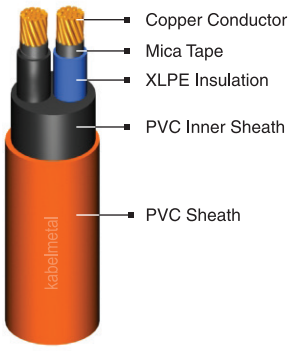
Standard Specification : SNI IEC 60502-1 : 2009, IEC 60502-1 : 2004 / AMD1 : 2009 and IEC 60331

Construction Data

Nom. Cross Section Area	Overall Diameter	Cable Weight
	approx.	approx.
mm²	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 suplied in wooden drum on available length
Length Tolerance per drum ± 2%

Electrical Data

Conductor			Inductance	Current - Carrying Capacity at 30°C *		Short circuit current at 1 sec
Nom. Cross Sect.	DC Resistance at 20°C	AC Resistance at 90°C		in air	in ground	
	Max.	Max.		Max.	Max.	Max.
(mm²)	(Ω/km)	(Ω/km)	(mH/km)	(A)	(A)	(kA)
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*

PT KMI Wire and Cable Tbk reserves the right to change the data content without prior notification

15701CH-02 Rev.1.1/2022

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)

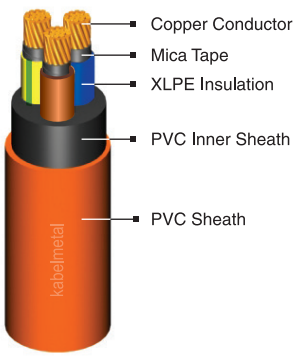
Standard Specification : SNI IEC 60502-1 : 2009, IEC 60502-1 : 2004 / AMD1 : 2009 and IEC 60331

Construction Data

Nom. Cross Section Area	Overall Diameter	Cable Weight
	approx.	approx.
mm²	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 suplied in wooden drum on available length
Length Tolerance per drum ± 2%

Electrical Data

Conductor			Inductance	Current - Carrying Capacity at 30°C *		Short circuit current at 1 sec
Nom. Cross Sect.	DC Resistance at 20°C	AC Resistance at 90°C		in air	in ground	
(mm²)	Max. (Ω/km)	Max. (Ω/km)	(mH/km)	Max. (A)	Max. (A)	Max. (kA)
1.5	12.1	15.429	0.315	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*

PT KMI Wire and Cable Tbk reserves the right to change the data content without prior notification

15701CH-03 Rev.1.1/2022

FIRE RESISTANT CABLE
N2XY 4 x (1.5-300) mm² 0.6/1 kV
Cu / Mica / XLPE / PVC

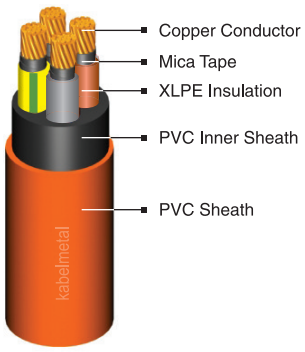
(Copper Conductor, Mica Tape, XLPE Insulated, PVC Sheathed)

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

Construction Data

Nom. Cross Section Area	Overall Diameter	Cable Weight
	approx.	approx.
mm²	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 suplied in wooden drum on available length
Length Tolerance per drum ± 2%

Electrical Data

Conductor			Inductance	Current - Carrying Capacity at 30°C *		Short circuit current at 1 sec
Nom. Cross Sect.	DC Resistance at 20°C	AC Resistance at 90°C		in air	in ground	
	Max.	Max.		Max.	Max.	Max.
(mm²)	(Ω/km)	(Ω/km)	(mH/km)	(A)	(A)	(kA)
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*

PT KMI Wire and Cable Tbk reserves the right to change the data content without prior notification

15701CH-04 Rev.1.1/2022