



PT. MAGNAKABEL NUSANTARA
POWER YOUR WORLD

PT. MAGNAKABEL NUSANTARA

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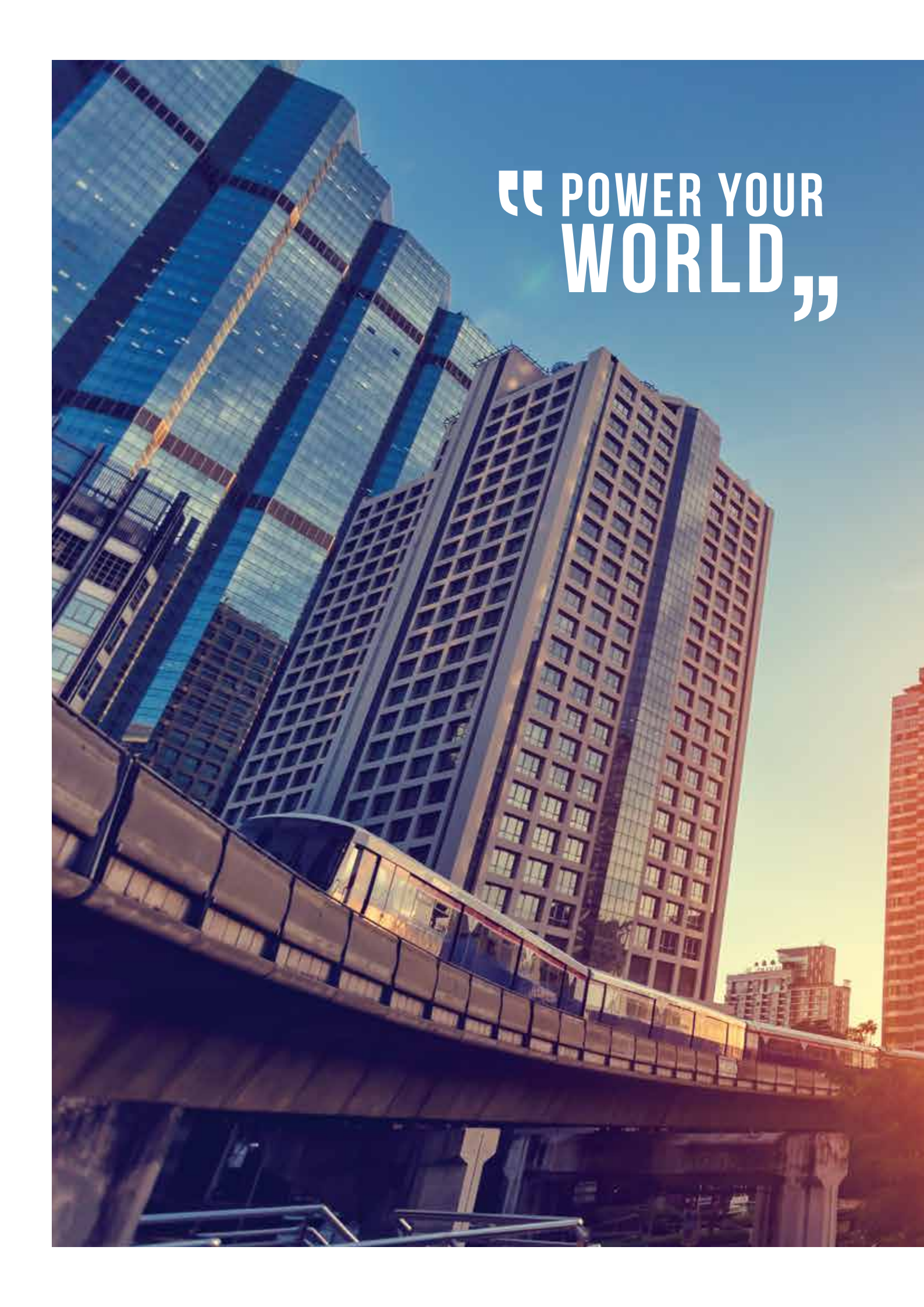
PT. MAGNAKABEL NUSANTARA

POWER YOUR WORLD



PRODUCT CATALOGUE

BUILDING INSTALLATION



“ POWER YOUR
WORLD,”



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Introduction



About Our Company

For over three decades, **PT. Magnakabel Nusantara** has held its place as a leading manufacturer and supplier of transmission conductors, power and distribution cables, building installation cables, and specialty cables for Indonesia's unique electrical infrastructure. In all its years of service, **PT. Magnakabel Nusantara** has showcased unwavering dedication, consistency, and commitment to service excellence. This devotion, grit, and tenacity saw us quickly climb the ranks as one of the most reputable electrical cable manufacturers registered in the selected provider list (DPT) at PT. Perusahaan Listrik Negara (Persero).



Vision, Mission, Core Values

Our Vision

To be a global sustainable company that drives communities by enabling access to energy and information.

Our Mission

To provide our employees with an honest and wholesome work environment, where every employee individually and collectively, can dedicate themselves to providing our customers with high quality products, extraordinary service, and professional integrity.

Our Core Values

Five principles beat at the heart of all we do:

- **M**utual Respect
- **A**daptability
- **G**rowth through Entrepreneurship
- **N**othing is Impossible
- **A**chievement through Excellence

Our core values These tenets allow us to do our best for the clients we serve.

Certification

PT. Magnakabel Nusantara's unfaltering commitment, management, and performance swiftly earned us SPM Certification ISO 9001:2015, ISO 14001:2015, SMK3 and SNI. With these quality control certificates in tow, we continue to give our clients a reason to place their faith in us time after time.



450/750 V, NYA (Cu/PVC)

(Copper Conductor, PVC Insulated)



Application

For building wire installed in conduit in dry location and inter wiring in switchboard and control panel.

Special Features on Request

- Fire Resistance
- Oil Resistance
- Flame Retardant Cat. A, B, C
- Flame Retardant Non Category

Standard Packing

- 1.5 - 16 sqmm supplied in coil @100 meters.
- 25 - 400 sqmm supplied in wooden drum @1000 meters.
- Length Tolerance per drum $\pm 2\%$.

Note : Conductor Shape

- 1.5 - 10 sqmm supplied in solid (re) or non compacted circular stranded (rm) conductor shape.
- 16 - 400 sqmm supplied in non compacted circular stranded (rm) conductor shape.

PVC INSULATED CABLE WITH A RATED VOLTAGE OF 450 / 750 V
SNI 04 - 6629.3 : 2006

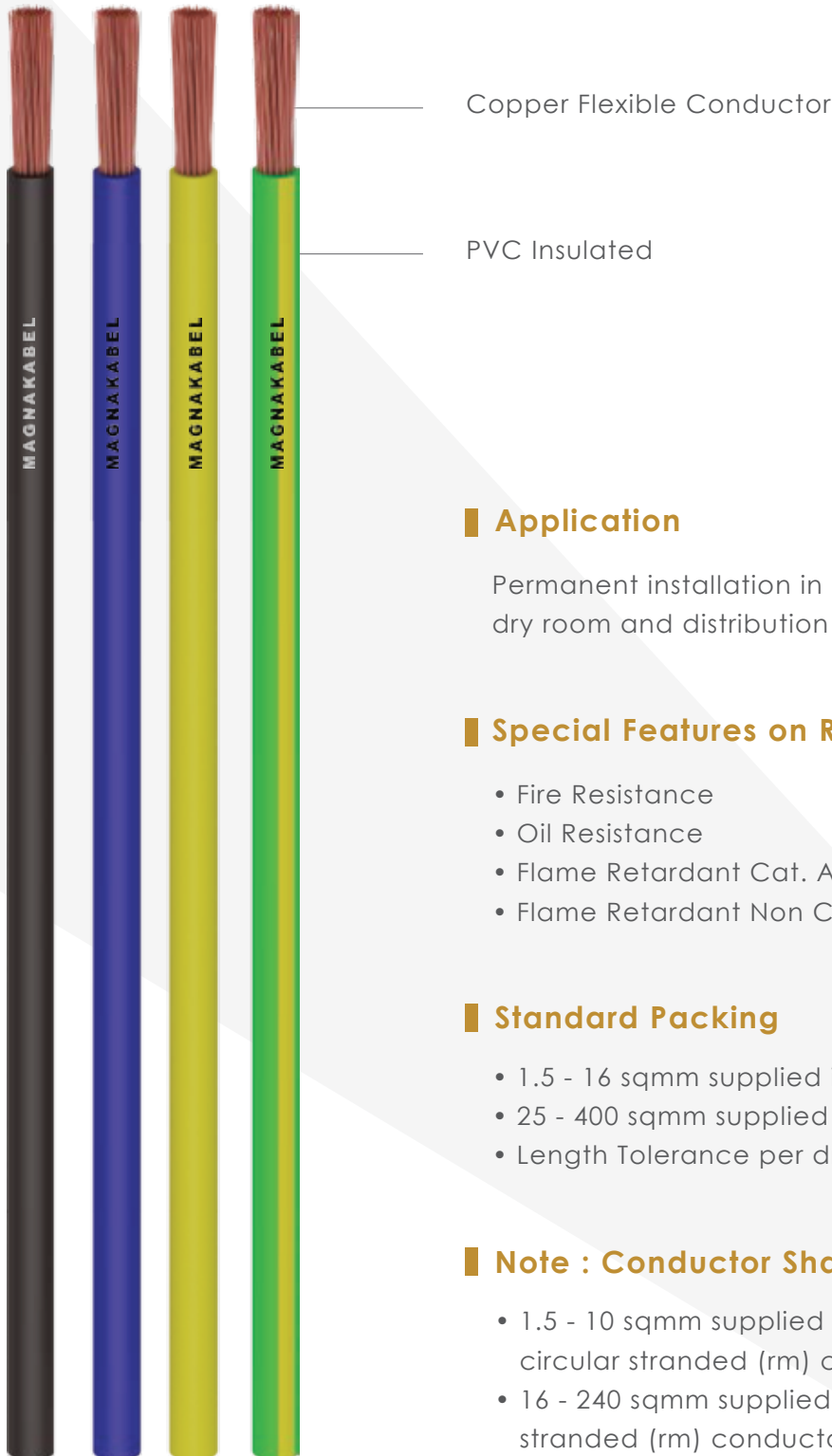
Nom. Cross Sect.	No. of Wire and Diameter of wire	Thickness of Insulation	Approx. Overall Diameter	Current Carrying Capacity at 30°C		Max. Conductor DC Resistance (20°C)	Min. Insulation DC Resistance (20°C)	Approx. Cable Weight	Standard Delivery Length
				in Pipe	in Air				
mm ²	n	mm	mm	A	A	Ω/km	MΩ/km	kg/km	m
1.5 re	1	0.7	3.3	15	24	12.1	50	19	100/coil
2.5 re	1	0.8	3.9	19	32	7.41	50	31	100/coil
4 re	1	0.8	4.4	25	42	4.61	50	45	100/coil
6 re	1	0.8	4.9	33	54	3.08	50	65	100/coil
10 rm	7	1.0	6.8	45	73	1.83	40	108	100/coil
16 rm	7	1.0	8.0	61	98	1.15	40	175	1,000/drum
25 rm	7	1.2	9.8	83	129	0.727	40	273	1,000/drum
35 rm	7	1.2	11.0	103	158	0.524	40	367	1,000/drum
50 rm	19	1.4	13.0	132	197	0.387	30	523	1,000/drum
70 rm	19	1.4	15.0	165	245	0.268	30	692	1,000/drum
95 rm	19	1.6	17.0	197	290	0.193	30	962	1,000/drum
120 rm	37	1.6	19.0	235	345	0.153	30	1,192	500/drum
150 rm	37	1.8	21.0	-	390	0.124	20	1,511	500/drum
185 rm	37	2.0	23.5	-	445	0.0991	20	1,844	500/drum
240 rm	61	2.2	26.5	-	525	0.0754	20	2,430	500/drum
300 rm	61	2.4	29.5	-	605	0.0601	20	3,015	500/drum
400 rm	61	2.6	33.5	-	725	0.047	20	3863	500/drum

Applications : Permanent installation in conduit or exposed wiring in dry location



450/750 V, NYAF (Cu/PVC-f)

(Copper Flexible Conductor, PVC Sheated)



Application

Permanent installation in conduit or exposed wiring in dry room and distribution panel connector.

Special Features on Request

- Fire Resistance
- Oil Resistance
- Flame Retardant Cat. A, B, C
- Flame Retardant Non Category

Standard Packing

- 1.5 - 16 sqmm supplied in coil @100 meters.
- 25 - 400 sqmm supplied in wooden drum @1000 meters.
- Length Tolerance per drum $\pm 2\%$.

Note : Conductor Shape

- 1.5 - 10 sqmm supplied in solid (re) or non compacted circular stranded (rm) conductor shape.
- 16 - 240 sqmm supplied in non compacted circular stranded (rm) conductor shape.

PVC INSULATED CABLE WITH A RATED VOLTAGE OF 450 / 750 V
SNI 04 - 6629.3 : 2006

Nom. Cross Sect.	No. of Wire and Diameter of wire	Thickness of Insulation	Approx. Overall Diameter	Current Carrying Capacity at 30°C		Max. Conductor DC Resistance (20°C)	Min. Insulation DC Resistance (20°C)	Approx. Cable Weight	Standard Delivery Length
				in Pipe	in Air				
mm ²	n	mm	mm	A	A	Ω/km	MΩ/km	kg/km	m
0.5 f	16 / 0.21	0.6	2.6	2.5	-	37.1	65	10	100/coil
0.75 f	24 / 0.21	0.6	2.8	7	-	24.7	58	13	100/coil
1 f	32 / 0.21	0.6	3.0	11	19	18.5	53	16	100/coil
1.5 f	30 / 0.26	0.7	3.5	15	24	12.7	50	23	100/coil
2.5 f	50 / 0.26	0.8	4.2	20	32	7.6	46	36	100/coil
4 f	56 / 0.31	0.8	4.8	25	41	4.71	40	51	100/coil
6 f	84 / 0.31	0.8	6.3	33	53	3.14	36	73	100/coil
10 f	84 / 0.41	1.0	7.6	45	72	1.82	32	116	100/coil
16 f	126 / 0.41	1.0	8.8	60	97	1.16	23	180	100/coil
25 f	196 / 0.41	1.2	11.0	82	128	0.743	23	275	500/coil
35 f	278 / 0.41	1.2	12.5	103	158	0.527	20	385	500/coil
50 rm	398 / 0.41	1.4	14.5	131	195	0.368	19	550	500/coil
70 rm	360 / 0.51	1.4	17.0	164	243	0.259	17	750	500/coil
95 rm	475 / 0.51	1.6	19.0	205	287	0.196	16	1,000	500/coil
120 rm	608 / 0.51	1.6	21.0	233	342	0.153	15	1,240	500/coil
150 rm	780 / 0.51	1.8	23.5	-	386	0.123	15	1,550	500/coil
185 rm	925 / 0.51	2.0	26.0	-	441	0.101	14	1,900	500/drum
240 rm	1221 / 0.51	2.2	29.5	-	520	0.0763	14	2,450	500/drum
300 rm	1517 / 0.51	2.4	32.5	-	605	0.0611	13	3,025	500/drum
400 rm	2000 / 0.51	2.6	37.5	-	725	0.0463	13	4,000	500/drum

Nom. Cross Sect.	No. of Wire and Diameter of wire	Nominal Thickness		Approx. Overall Diameter	Current Carrying Capacity at 30°C		Max. Conductor DC Resistance (20°C)	Min. Insulation Resistance (20°C)	Approx. Cable Weight	Standard Delivery Length
		Insulation	Sheath		in Pipe	in Air				
mm ²	n	mm	mm		A	A	Ω/km	MΩ/km	kg/km	m
2 x 0.5 rm	16 / 0.21	0.6	0.8	6	2.5	-	37.1	65	56	100/coil
2 x 0.75 rm	24 / 0.21	0.6	0.8	6.5	7	-	24.7	58	56	100/coil
2 x 1 rm	32 / 0.21	0.6	0.8	6.7	11	19	18.5	53	66	100/coil
2 x 1.5 rm	30 / 0.26	0.7	0.9	7.7	15	24	12.7	50	90	100/coil
2 x 2.5 rm	50 / 0.26	0.8	1.0	9.4	20	32	7.6	46	140	100/coil
2 x 4 rm	56 / 0.31	0.8	1.0	11.3	25	41	4.71	40	209	100/coil
3 x 0.5 rm	16 / 0.21	0.6	0.8	6.4	2.5	-	37.1	65	60	100/coil
3 x 0.75 rm	24 / 0.21	0.6	0.8	6.8	7	-	24.7	58	77	100/coil
3 x 1 rm	32 / 0.21	0.6	0.8	7.1	11	19	18.5	53	90	100/coil
3 x 1.5 rm	30 / 0.26	0.7	0.9	8.3	15	24	12.7	50	147	100/coil
3 x 2.5 rm	50 / 0.26	0.8	1.0	10.2	20	32	7.6	46	190	100/coil
3 x 4 rm	56 / 0.31	0.8	1.0	12.0	25	41	4.71	40	265	100/coil
4 x 0.5 rm	16 / 0.21	0.6	0.8	7	2.5	-	37.1	65	70	100/coil
4 x 0.75 rm	24 / 0.21	0.6	0.8	7.4	7	-	24.7	58	96	100/coil
4 x 1 rm	32 / 0.21	0.6	0.8	8.0	11	19	18.5	53	121	100/coil
4 x 1.5 rm	30 / 0.26	0.7	0.9	9.1	15	24	12.7	50	167	100/coil
4 x 2.5 rm	50 / 0.26	0.8	1.0	11.2	20	32	7.6	46	237	100/coil
4 x 4 rm	56 / 0.31	0.8	1.0	13.1	25	41	4.71	40	330	100/coil
5 x 0.5 rm	16 / 0.21	0.6	0.8	7.8	2.5	-	37.1	65	90	100/coil
5 x 0.75 rm	24 / 0.21	0.6	0.8	8.3	7	-	24.7	58	116	100/coil
5 x 1 rm	32 / 0.21	0.6	0.8	8.7	11	19	18.5	53	139	100/coil
5 x 1.5 rm	30 / 0.26	0.7	0.9	10.3	15	24	12.7	50	194	100/coil
5 x 2.5 rm	50 / 0.26	0.8	1.0	12.4	20	32	7.6	46	291	100/coil
5 x 4 f	56 / 0.31	0.8	1.0	14.3	25	41	4.71	40	391	100/coil

Applications : Used for fixed installation appliances, switchgear and control gear



300 / 500 V, NYM (Cu / PVC / PVC)

(Copper Conductor, PVC Insulated, PVC Sheathed)



Copper Conductor

PVC Insulated

PVC Filler

PVC Sheathed

Application

For building wire installed in conduit in dry location and inter wiring in switchboard and control panel.

Special Features on Request

- Fire Resistance
- Oil Resistance
- Flame Retardant Cat. A, B, C
- Flame Retardant Non Category

Standard Packing

- 1.5 - 4 sqmm supplied in coil @100 meters or in wooden drum @1000/2000 meters.
- 6 - 35 sqmm supplied in wooden drum @1000 meters.
- Length Tolerance per drum $\pm 2\%$.

Note : Conductor Shape

- 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.



PVC INSULATED CABLE WITH A RATED VOLTAGE OF 300 / 500 V

SNI 04 - 6629.4 : 2006

Nom. Cross Sect.	No of Wire	Thickness of Insulation	Thickness of Inner Sheath	Thickness of Outer Sheath	Approx. Overall Diameter	Current Carrying Capacity		Max. Conductor DC Resistance (20°C)	Min. Insulation Resistance (20°C)	Approx. Cable Weight	Standard Delivery Length
						In Ground (30°C)	In air (40°C)				
mm ²	n	mm	mm	mm	mm	A	A	Ω/km	MΩ/km	kg/km	m
2 x 1.5 re	1	0.7	0.4	1.2	8.8	19	16	12.1	50	112	100/coil
2 x 2.5 re	1	0.8	0.4	1.2	9.6	25	22	7.41	50	144	100/coil
2 x 4 re	1	0.8	0.4	1.2	11.4	34	30	4.61	50	210	100/coil
2 x 6 re	1	0.8	0.4	1.2	12.3	44	39	3.08	50	268	100/coil
2 x 10 re	1	1.0	0.6	1.4	16.0	61	53	1.83	50	435	100/coil
2 x 10 m	7	1.0	0.6	1.4	17.5	61	53	1.83	50	455	100/coil
2 x 16 m	7	1.0	0.6	1.4	18.2	82	71	1.15	40	622	1,000/drum
2 x 25 m	7	1.2	0.8	1.4	22.4	108	94	0.727	40	960	1,000/drum
2 x 35 m	7	1.2	1.0	1.6	24.9	134	117	0.524	40	1,257	1,000/drum

Nom. Cross Sect.	No of Wire	Thickness of Insulation	Thickness of Inner Sheath	Thickness of Outer Sheath	Approx. Overall Diameter	Current Carrying Capacity		Max. Conductor DC Resistance (20°C)	Min. Insulation Resistance (20°C)	Approx. Cable Weight	Standard Delivery Length
						In Ground (30°C)	In air (40°C)				
mm ²	n	mm	mm	mm	mm	A	A	Ω/km	MΩ/km	kg/km	m
3 x 1.5 re	1	0.7	0.4	1.2	9.2	19	16	12.1	50	132	100/coil
3 x 2.5 re	1	0.8	0.4	1.2	10.1	25	22	7.41	50	175	100/coil
3 x 4 re	1	0.8	0.4	1.2	11.9	34	30	4.61	50	254	100/coil
3 x 6 re	1	0.8	0.4	1.4	13.0	44	39	3.08	50	331	100/coil
3 x 10 re	1	1.0	0.6	1.4	16.5	61	53	1.83	50	503	100/coil
3 x 10 m	7	1.0	0.6	1.4	17.0	61	53	1.83	50	562	100/coil
3 x 16 m	7	1.0	0.8	1.4	19.2	82	71	1.15	40	781	1,000/drum
3 x 25 m	7	1.2	0.8	1.6	23.6	108	94	0.727	40	1,214	1,000/drum
3 x 35 m	7	1.2	1.0	1.6	26.4	134	117	0.524	40	1,593	1,000/drum

Nom. Cross Sect.	No of Wire	Thickness of Insulation	Thickness of Inner Sheath	Thickness of Outer Sheath	Approx. Overall Diameter	Current Carrying Capacity		Max. Conductor DC Resistance (20°C)	Min. Insulation Resistance (20°C)	Approx. Cable Weight	Standard Delivery Length
						In Ground (30°C)	In air (40°C)				
mm ²	n	mm	mm	mm	mm	A	A	Ω/km	MΩ/km	kg/km	m
4 x 1.5 re	1	0.7	0.4	1.2	9.9	19	16	12.1	50	159	100/coil
4 x 2.5 re	1	0.8	0.4	1.2	10.9	25	22	7.41	50	214	100/coil
4 x 4 re	1	0.8	0.6	1.4	12.9	34	30	4.61	50	313	100/coil
4 x 6 re	1	0.8	0.6	1.4	14.1	44	39	3.08	50	411	100/coil
4 x 10 re	1	1.0	0.6	1.4	17.0	61	53	1.83	50	649	100/coil
4 x 10 m	7	1.0	0.8	1.4	18.5	61	53	1.83	50	701	100/coil
4 x 16 m	7	1.0	0.8	1.4	21.0	82	71	1.15	40	987	1,000/drum
4 x 25 m	7	1.2	1.0	1.6	25.9	108	94	0.727	40	1,530	1,000/drum
4 x 35 m	7	1.2	1.0	1.6	28.9	134	117	0.524	40	2,014	1,000/drum

Nom. Cross Sect.	No of Wire	Thickness of Insulation	Thickness of Inner Sheath	Thickness of Outer Sheath	Approx. Overall Diameter	Current Carrying Capacity		Max. Conductor DC Resistance (20°C)	Min. Insulation Resistance (20°C)	Approx. Cable Weight	Standard Delivery Length
						In Ground (30°C)	In air (40°C)				
mm ²	n	mm	mm	mm	mm	A	A	Ω/km	MΩ/km	kg/km	m
5 x 1.5 re	1	0.7	0.4	1.2	10.7	19	16	12.1	50	189	100/coil
5 x 2.5 re	1	0.8	0.4	1.2	11.8	25	22	7.41	50	256	100/coil
5 x 4 re	1	0.8	0.6	1.4	14.0	34	30	4.61	50	377	100/coil
5 x 6 re	1	0.8	0.6	1.4	15.4	44	39	3.08	50	499	100/coil
5 x 10 re	1	1.0	0.6	1.4	19.5	61	53	1.83	50	827	100/coil
5 x 10 m	7	1.0	0.6	1.4	20.2	61	53	1.83	50	854	100/coil
5 x 16 m	7	1.0	0.8	1.6	23.0	82	71	1.15	40	1,208	1,000/drum
5 x 25 m	7	1.2	1.0	1.6	28.3	108	94	0.727	40	1,874	1,000/drum
5 x 35 m	7	1.2	1.2	1.6	31.7	134	117	0.524	40	2,471	1,000/drum

Applications : Permanent installation in conduit under plaster or exposed wiring in dry location



300/500 V, NYMHY (Cu/PVC/PVC-f)

(Copper Flexible Conductor, PVC Insulated, PVC Sheathed)



Copper Flexible Conductor

PVC Insulated

PVC Sheathed

Application

Permanent installation in conduit or exposed wiring in dry room.

Special Features on Request

- Fire Resistance
- Oil Resistance
- Flame Retardant Cat. A, B, C
- Flame Retardant Non Category

Standard Packing

- 1.5 - 16 sqmm in coil @100 m.
- 25 - 35 wooden drum @1000 m or @2000 m
- Length Tolerance per drum $\pm 2\%$.

Note : Conductor Shape

- 1.5 - 35 sqmm supplied in flexible copper wire.
- 16 - 35 sqmm supplied in non compacted circular stranded (rm) conductor shape

PVC INSULATED CABLE WITH A RATED VOLTAGE OF 450 / 750 V
SNI 04 - 6629.5 : 2006

No of Core	Nom. Cross Sect.	No of Core	Maximum diameter of wire	Thickness of Insulation	Thickness of sheath	Approx. Overall Diameter	Current Carrying Capacity at 30°C		Max. Conductor DC Resistance (20°C)	Min. Insulation Resistance (20°C)	Approx. Cable Weight	Standard Delivery Length
							in Pipe	in Air				
mm ²	mm	mm	mm	mm	mm	mm	A	A	Ω/km	MΩ/km	kg/km	m
2	0.5 f	16	0.20	0,6	0.8	6.0	2	1.8	39	40	56	100/coil
	0.75 f	24	0.20	0,6	0.8	6.5	6	5.5	26	40	56	100/coil
	1 f	32	0.20	0.6	0.8	6.7	10	9.2	19.5	40	66	100/coil
	1.5 f	30	0.25	0.7	0.9	7.7	15	13.8	13.3	40	90	100/coil
	2.5 f	50	0.25	0.8	1.0	9.4	20	18.4	7.98	40	140	100/coil
	4 f	56	0.30	0.8	1.0	11.3	27.2	25.3	4.95	40	209	100/coil
3	0.5 f	16	0.20	0,6	0.8	6.4	2	1.8	39	40	60	100/coil
	0.75 f	24	0.20	0,6	0.8	6.8	6	5.5	26	40	77	100/coil
	1 f	32	0.20	0.6	0.8	7.1	10	9.2	19.5	40	90	100/coil
	1.5 f	30	0.25	0.7	0.9	8.3	15	13.8	13.3	40	147	100/coil
	2.5 f	50	0.25	0.8	1.0	10.2	20	18.4	7.98	40	190	100/coil
	4 f	56	0.30	0.8	1.0	12.0	27.2	25.3	4.95	40	265	100/coil
4	0.5 f	16	0.20	0,6	0.8	7.0	2	1.8	39	40	70	100/coil
	0.75 f	24	0.20	0,6	0.8	7.4	6	5.5	26	40	96	100/coil
	1 f	32	0.20	0.6	0.8	8.0	10	9.2	19.5	40	121	100/coil
	1.5 f	30	0.25	0.7	0.9	9.1	15	13.8	13.3	40	167	100/coil
	2.5 f	50	0.25	0.8	1.0	11.2	20	18.4	7.98	40	237	100/coil
	4 f	56	0.30	0.8	1.0	13.1	27.2	25.3	4.95	40	330	100/coil
5	0.5 f	16	0.20	0,6	0.8	7.8	2	1.8	39	40	90	100/coil
	0.75 f	24	0.20	0,6	0.8	8.3	6	5.5	26	40	116	100/coil
	1 f	32	0.20	0.6	0.8	8.7	10	9.2	19.5	40	139	100/coil
	1.5 f	30	0.25	0.7	0.9	10.3	15	13.8	13.3	40	194	100/coil
	2.5 f	50	0.25	0.8	1.0	12.4	20	18.4	7.98	40	291	100/coil
	4 f	56	0.30	0.8	1.0	14.3	27.2	25.3	4.95	40	391	100/coil

Applications : These cables are useful for use in dry or damp location for medium duties in domestic premises, kitchens, office, washing machines, refrigerators,etc. Can be used for cooking and heating appliances provided that the cable does not come in contact with the hot parts.

Note : (f) Flexible bunched wire



0.6/1 (1.2) kV, NYYHY (Cu/PVC/PVC-f)

(Copper Flexible Conductor, PVC Insulated, PVC Sheathed)



Copper Flexible Conductor

PVC Insulated

PVC Sheathed

Application

Permanent installation in conduit or exposed wiring in dry room.

Special Features on Request

- Fire Resistance
- Oil Resistance
- Flame Retardant Cat. A, B, C
- Flame Retardant Non Category

Standard Packing

- 1.5 - 16 sqmm in coil @100 m.
- 25 - 35 wooden drum @1000 m or @2000 m
- Length Tolerance per drum $\pm 2\%$.

Note : Conductor Shape

- 1.5 - 35 sqmm supplied in flexible copper wire.
- 16 - 35 sqmm supplied in non compacted circular stranded (rm) conductor shape

PVC INSULATED CABLE WITH A RATED VOLTAGE OF 0,6/1 kV

No of Core	Nom. Cross Sect.	No of Core	Maximum diameter of wire	Thickness of Insulation	Thickness of sheath	Approx. Overall Diameter	Current Carrying Capacity at 30°C		Max. Conductor DC Resistance (20°C)	Min. Insulation Resistance (20°C)	Approx. Cable Weight	Standard Delivery Length
							in Pipe	in Air				
mm ²	mm	mm	mm	mm	mm	mm	A	A	Ω/km	MΩ/km	kg/km	m
2	0.75	24	0.20	0.6	0.8	6.3	10	9	26	50	55	100/coil
	1	32	0.2	0.6	0.8	6.6	15	14	19.5	50	63	100/coil
	1.5	31	0.25	0.7	0.8	7.6	21	18	13.3	50	87	100/coil
	2.5	51	0.25	0.8	1	9.3	29	25	7.98	50	133	100/coil
	4	57	0.3	1	1.8	12.8	38	33	4.95	50	241	100/coil
	6	85	0.3	1	1.8	14.0	48	42	3.3	50	304	100/coil
	10	80	0.4	1	1.8	15.9	66	57	1.91	50	426	100/coil
	16	128	0.4	1	1.8	18.1	90	78	1.21	40	596	500/coil
	25	199	0.4	1.2	2	21.8	120	104	0.78	40	897	500/coil
	35	279	0.4	1.2	2	24.8	150	130	0.55	40	1,174	500/coil
	50	398	0.4	1.4	2	28.0	180	157	0.38	30	1,626	500/coil
	70	357	0.5	1.4	2.2	31.8	230	200	0.27	30	2,190	500/coil
3	95	484	0.5	1.6	2.2	36.2	275	239	0.2	30	2,907	500/coil
	120	612	0.5	1.6	2.2	39.4	320	278	0.16	30	3,567	500/coil
	0.75	24	0.20	0.6	0.8	6.6	9	8	26	50	65	100/coil
	1	32	0.2	0.6	0.8	7.0	13	12	19.5	50	76	100/coil
	1.5	31	0.25	0.7	0.8	8.1	18	16	13.3	50	106	100/coil
	2.5	51	0.25	0.8	1	9.9	25	22	7.98	50	163	100/coil
	4	57	0.3	1	1.8	13.6	34	30	4.95	50	291	100/coil
	6	85	0.3	1	1.8	14.8	44	38	3.3	50	373	100/coil
	10	80	0.4	1	1.8	16.8	60	52	1.91	50	533	100/coil
	16	128	0.4	1	1.8	19.2	80	70	1.21	40	758	500/coil
	25	199	0.4	1.2	2	23.2	105	91	0.78	40	1,148	500/coil
	35	279	0.4	1.2	2	25.8	130	113	0.554	40	1,519	500/coil
4	50	398	0.4	1.4	2	29.9	160	139	0.386	30	2,118	500/coil
	70	357	0.5	1.4	2.2	34.0	200	174	0.272	30	2,871	500/coil
	95	484	0.5	1.6	2.2	38.7	245	215	0.206	30	3,829	500/coil
	120	612	0.5	1.6	2.2	42.1	285	250	0.161	30	4,724	500/coil
	0.75	24	0.20	0.6	0.8	7.2	9	8	26	50	78	100/coil
	1	32	0.2	0.6	0.8	7.7	13	12	19.5	50	92	100/coil
	1.5	31	0.25	0.7	0.8	8.9	18	16	13.3	50	129	100/coil
	2.5	51	0.25	0.8	1	10.8	25	22	7.98	50	199	100/coil
	4	57	0.3	1	1.8	14.7	34	30	4.95	50	352	100/coil
	6	85	0.3	1	1.8	16.1	44	38	3.3	50	456	100/coil
	10	80	0.4	1	1.8	18.4	60	52	1.91	50	659	100/coil
	16	128	0.4	1	1.8	21.1	80	70	1.21	40	946	500/coil
5	25	199	0.4	1.2	2	25.5	105	91	0.78	40	1,437	500/coil
	35	279	0.4	1.2	2	28.4	130	113	0.554	40	1,912	500/coil
	50	398	0.4	1.4	2	33.0	160	139	0.386	30	2,675	500/coil
	70	357	0.5	1.4	2.2	37.5	200	174	0.272	30	3,638	500/coil
	95	484	0.5	1.6	2.2	42.8	245	215	0.206	30	4,863	500/coil
	120	612	0.5	1.6	2.2	46.6	285	250	0.161	30	6,014	500/coil
	1.5	31	0.25	0.8	1.8	12.3	18	16	13.3	50	216	100/coil
	2.5	51	0.25	0.8	1.8	13.5	25	22	7.98	50	285	100/coil
	4	57	0.3	1	1.8	16.1	34	30	4.95	50	420	100/coil
	6	85	0.3	1	1.8	17.6	44	38	3.3	50	547	100/coil
	10	80	0.4	1	1.8	20.4	60	52	1.91	50	795	100/coil
	16	128	0.4	1	2	23.5	80	70	1.21	40	1,167	500/coil
7	25	199	0.4	1.2	2	28.1	105	91	0.78	40	1,748	500/coil
	35	279	0.4	1.2	2	31.3	130	113	0.554	40	2,334	500/coil
	50	398	0.4	1.4	2.2	36.9	160	139	0.386	30	3,305	500/coil
	1.5	31	0.25	0.8	1.8	13.2	18	16	13.3	50	269	500/coil
	2.5	51	0.25	0.8	1.8	14.6	25	22	7.98	50	360	500/coil
	4	57	0.3	1	1.8	17.5	34	30	4.95	50	538	500/coil
	6	85	0.3	1	1.8	19.2	44	38	3.3	50	708	500/coil
	1.5	31	0.25	0.8	1.8	19.6	18	16	13.3	50	469	500/coil
	2.5	51	0.25	0.8	1.8	21.9	25	22	7.98	50	672	500/coil
	4	57	0.3	1	1.8	26.7	34	30	4.95	50	1,021	500/coil
	6	85	0.3	1	1.8	29.8	44	38	3.3	50	1,425	500/coil
	1.5	31	0.25	0.8	1.8	26.1	18	16	13.3	50	771	500/coil
19	2.5	51	0.25	0.8	1.9	29.4	25	22	7.98	50	1,156	500/coil
	4	57	0.3	1	2.1	36.5	34	30	4.95	50	1,805	500/coil
	6	85	0.3	1	2.3	41.0	44	38	3.3	50	2,573	500/coil
	1.5	31	0.25	0.8	2	32.9	18	16	13.3	50	1,185	500/coil
	2.5	51	0.25	0.8	2.2	37.4	25	22	7.98	50	1,816	500/coil
	4	57	0.3	1	2.5	46.5	34	30	4.95	50	2,857	500/coil
	6	85	0.3	1	2.6	52.0	44	38	3.3	50	4,067	500/coil
	1.5	31	0.25	0.8	1.8	19.6	18	16	13.3	50	469	500/coil
	2.5	51	0.25	0.8	1.8	21.9	25	22	7.98	50	672	500/coil
	4	57	0.3	1	1.8	26.7	34	30	4.95	50	1,021	500/coil
	6	85	0.3	1	1.8	29.8	44	38	3.3	50	1,425	500/coil
	1.5	31	0.25	0.8	1.8	26.1	18	16	13.3	50	771	500/coil
	2.5	51	0.25	0.8	1.9	29.4	25	22	7.98	50	1,156	500/coil
37	4	57	0.3	1	2.1	36.5	34	30	4.95	50	1,805	500/coil
	6	85	0.3	1	2.3	41.0	44	38	3.3	50	2,573	500/coil
	1.5	31	0.25	0.8	2	32.9	18	16	13.3	50	1,185	500/coil
	2.5	51	0.25	0.8	2.2	37.4	25	22	7.98	50	1,816	500/coil
	4	57	0.3	1	2.5	46.5	34	30	4.95	50	2,857	500/coil
	6	85	0.3	1	2.6	52.0	44	38	3.3	50	4,067	500/coil
	1.5	31	0.25	0.8	1.8	19.6	18	16	13.3	50	469	500/coil
	2.5	51	0.25	0.8	1.8	21.9	25	22	7.98	50	672	500/coil
	4	57	0.3	1	1.8	26.7	34	30	4.95	50	1,021	500/coil
	6	85	0.3	1	1.8	29.8	44	38	3.3	50	1,425	500/coil
	1.5	31	0.25	0.8	1.8	26.1	18	16	13.3	50	771	500/coil
	2.5	51	0.25	0.8	1.9	29.4	25	22	7.98	50	1,156	500/coil
	4	57	0.3	1	2.1	36.5	34	30	4.95	50	1,805	500/coil
61	6	85	0.3	1	2.3	41.0	44	38	3.3	50	2,573	500/coil
	1.5	31	0.25	0.8	2	32.9	18	16	13.3	50	1,185	500/coil
	2.5	51	0.25	0.8	2.2	37.4	25	22	7.98	50	1,816	500/coil
	4	57	0.3	1	2.5	46.5	34	30	4.95	50	2,857	500/coil
	6	85	0.3	1	2.6	52.0	44	38	3.3	50	4,067	500/coil
	1.5	31	0.25	0.8	1.8	19.6	18	16	13.3	50	469	500/coil
	2.5	51	0.25	0.8	1.8	21.9	25	22	7.98	50	672	500/coil
	4	57	0.3	1	1.8	26.7	34	30	4.95	50	1,021	500/coil
	6	85	0.3	1	1.8	29.8	44	38	3.3	50	1,425	500/coil
	1.5	31	0.25	0.8	1.8	26.1	18	16	13.3	50	771	500/coil
	2.5	51	0.25	0.8	1.9	29.4	25	22	7.98	50	1,156	500/coil
	4	57	0.3	1	2.1	36.5	34	30	4.95	50	1,805	500/coil
	6	85	0.3	1	2.3	41.0	44	38	3.3	50	2,573	500/coil

0.6/1 kV, NYY (Cu / PVC / PVC)

(Copper Conductor, PVC Insulated, PVC Sheathed)



Application

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

Special Features on Request

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

Standard Packing

- 1.5 - 10 sqmm supplied in coil @ 100 meters.
- 16 - 300 sqmm supplied in wooden drum @1000 meters.
- 400 - 500 sqmm supplied in wooden drum on available length.
- Length Tolerance per drum $\pm 2\%$.

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

PVC INSULATED CABLE WITH A RATED VOLTAGE OF 0,6/1 kV
SNI IEC 60502 - 1 : 2009 / SPLN D3.010-2 : 2014

Nom. Cross Sect.	No of Wire	Thickness of Insulation	Thickness of Outer Sheath	Approx. Overall Diameter	Current Carrying Capacity		Max. Conductor DC Resistance (20°C)	Min. Insulation Resistance (20°C)	Approx. Cable Weight	Standard Delivery Length
					In Ground (30°C)	In air (40°C)				
mm ²	n	mm	mm	mm	A	A	Ω/km	MΩ/km	kg/km	m
1.5 re	1	0.8	1.4	5.8	33	26	12.1	50	50	1,000/drum
1.5 rm	7	0.8	1.4	6.0	33	26	12.1	50	52	1,000/drum
2.5 re	1	0.8	1.4	6.2	45	35	7.41	50	63	1,000/drum
2.5 rm	7	0.8	1.4	6.5	45	35	7.41	50	67	1,000/drum
4 re	1	1.0	1.4	7.1	58	46	4.61	50	87	1,000/drum
4 rm	7	1.0	1.4	7.4	58	46	4.61	50	92	1,000/drum
6 re	1	1.0	1.4	7.6	74	58	3.08	50	110	1,000/drum
6 rm	7	1.0	1.4	8.0	74	58	3.08	50	117	1,000/drum
10 re	1	1.0	1.4	8.5	98	80	1.83	50	157	1,000/drum
10 rm	7	1.0	1.4	8.8	98	80	1.83	50	163	1,000/drum
16 rm	7	1.0	1.4	10.0	129	105	1.15	40	227	1,000/drum
25 rm	7	1.2	1.4	11.6	169	140	0.727	40	336	1,000/drum
35 rm	7	1.2	1.4	12.7	210	175	0.524	40	437	1,000/drum
50 rm	19	1.4	1.4	14.3	250	215	0.387	30	562	1,000/drum
70 rm	19	1.4	1.4	16.0	310	270	0.268	30	768	1,000/drum
95 rm	19	1.6	1.5	18.5	375	335	0.193	30	1,049	1,000/drum
120 rm	37	1.6	1.5	20.0	425	390	0.153	30	1,280	1,000/drum
150 rm	37	1.8	1.6	22.5	480	445	0.124	30	1,575	1,000/drum
185 rm	37	2.0	1.7	24.5	550	510	0.0991	20	1,959	1,000/drum
240 rm	61	2.2	1.8	28.0	640	620	0.0754	20	2,538	1,000/drum
300 rm	61	2.4	1.9	31.0	730	710	0.0601	20	3,157	1,000/drum
400 rm	61	2.6	2.0	34.0	855	850	0.047	20	3,995	1,000/drum
500 rm	61	2.8	2.1	38.0	990	1,000	0.0366	20	5,075	1,000/drum

Applications : Indoor and outdoor induct installation or of laying in the ground where not sustain mechanical damage



PVC INSULATED CABLE WITH A RATED VOLTAGE OF 0,6/1 kV
SPLN D3.010 - 2 : 2014 / SNI IEC 60502 - 1 : 2009

Nom. Cross Sect.	No of Wire	Thickness of Insulation	Thickness of Outer Sheath	Approx. Overall Diameter	Current Carrying Capacity		Max. Conductor DC Resistance (20°C)	Min. Insulation Resistance (20°C)	Approx. Cable Weight	Standard Delivery Length
					In Ground (30°C)	In air (40°C)				
mm ²	n	mm	mm	mm	A	A	Ω/km	MΩ/km	kg/km	m
2 x 1.5 re	1	0.8	1.8	10.8	33	26	12.1	50	159	1,000/drum
2 x 2.5 re	1	0.8	1.8	11.6	45	35	7.41	50	196	1,000/drum
2 x 4 re	1	1.0	1.8	13.3	58	46	4.61	50	269	1,000/drum
2 x 6 re	1	1.0	1.8	14.3	74	58	3.08	50	333	1,000/drum
2 x 10 re	1	1.0	1.8	16.8	98	80	1.83	50	485	1,000/drum
2 x 16 rm	7	1.0	1.8	18.9	129	105	1.15	40	657	1,000/drum
2 x 25 rm	7	1.2	1.8	22.3	169	140	0.727	40	959	1,000/drum
2 x 35 rm	7	1.2	1.8	24.5	210	175	0.524	40	1,224	1,000/drum
2 x 50 rm	19	1.4	1.8	27.7	250	215	0.387	30	1,578	1,000/drum
2 x 70 rm	19	1.4	1.9	31.4	310	270	0.268	30	2,131	1,000/drum
2 X 95 rm	19	1.6	2.0	36.4	375	335	0.193	30	2,905	1,000/drum
2 X 120 rm	37	1.6	2.1	39.7	425	390	0.153	30	3,531	1,000/drum
2 X 150 rm	37	1.8	2.2	43.7	480	445	0.124	30	4,321	1,000/drum
2 X 185 rm	37	2.0	2.4	48.6	550	510	0.0991	20	5,368	1,000/drum
2 X 240 rm	61	2.2	2.6	55.1	640	620	0.0754	20	6,964	1,000/drum
2 X 300 rm	61	2.4	2.7	60.8	730	710	0.0601	20	8,605	1,000/drum

Nom. Cross Sect.	No of Wire	Thickness of Insulation	Thickness of Outer Sheath	Approx. Overall Diameter	Current Carrying Capacity		Max. Conductor DC Resistance (20°C)	Min. Insulation Resistance (20°C)	Approx. Cable Weight	Standard Delivery Length
					In Ground (30°C)	In air (40°C)				
mm ²	n	mm	mm	mm	A	A	Ω/km	MΩ/km	kg/km	m
3 x 1.5 re	1	0.8	1.8	11.2	33	26	12.1	50	181	1,000/drum
3 x 2.5 re	1	0.8	1.8	12.1	45	35	7.41	50	229	1,000/drum
3 x 4 re	1	1.0	1.8	14.0	58	46	4.61	50	319	1,000/drum
3 x 6 re	1	1.0	1.8	15.1	74	58	3.08	50	401	1,000/drum
3 x 10 re	1	1.0	1.8	17.8	98	80	1.83	50	596	1,000/drum
3 x 16 rm	7	1.0	1.8	20.0	129	105	1.15	40	822	1,000/drum
3 x 25 rm	7	1.2	1.8	23.6	169	140	0.727	40	1,213	1,000/drum
3 x 35 rm	7	1.2	1.8	26.0	210	175	0.524	40	1,565	1,000/drum
3 x 50 rm	19	1.4	1.8	25.3	250	215	0.387	30	1,898	1,000/drum
3 x 70 rm	19	1.4	2.0	28.8	310	270	0.268	30	2,580	1,000/drum
3 X 95 rm	19	1.6	2.1	32.7	375	335	0.193	30	3,485	1,000/drum
3 X 120 rm	37	1.6	2.2	35.5	425	390	0.153	30	4,312	1,000/drum
3 X 150 rm	37	1.8	2.4	39.2	480	445	0.124	30	5,300	1,000/drum
3 X 185 rm	37	2.0	2.6	43.8	550	510	0.0991	20	6,478	1,000/drum
3 X 240 rm	61	2.2	2.7	49.3	640	620	0.0754	20	8,491	1,000/drum
3 X 300 rm	61	2.4	3.1	55.0	730	710	0.0601	20	10,652	1,000/drum

Applications : Indoor and outdoor induct installation or of laying in the ground where not sustain mechanical damage



PVC INSULATED CABLE WITH A RATED VOLTAGE OF 0,6/1 kV
SPLN D3.010 - 2: 2014 / SNI IEC 60502 - 1 : 2009

Nom. Cross Sect.	No of Wire	Thickness of Insulation	Thickness of Outer Sheath	Approx. Overall Diameter	Current Carrying Capacity		Max. Conductor DC Resistance (20°C)	Min. Insulation Resistance (20°C)	Approx. Cable Weight	Standard Delivery Length
					In Ground (30°C)	In air (40°C)				
mm ²	n	mm	mm	mm	A	A	Ω/km	MΩ/km	kg/km	m
4 x 1.5 re	1	0.8	1.8	12.0	33	26	12.1	50	213	1,000/drum
4 x 2.5 re	1	0.8	1.8	13.0	45	35	7.41	50	273	1,000/drum
4 x 4 re	1	1.0	1.8	15.1	58	46	4.61	50	385	1,000/drum
4 x 6 re	1	1.0	1.8	17.2	74	58	3.08	50	490	1,000/drum
4 x 10 re	1	1.0	1.8	19.4	98	80	1.83	50	743	1,000/drum
4 x 16 rm	7	1.0	1.8	21.8	129	105	1.15	40	1,035	1,000/drum
4 x 25 rm	7	1.2	1.8	25.9	169	140	0.727	40	1,541	1,000/drum
4 x 35 rm	7	1.2	1.8	28.5	210	175	0.524	40	1,999	1,000/drum
4 x 50 rm	19	1.4	1.8	30.0	250	215	0.387	30	2,498	1,000/drum
4 x 70 rm	19	1.4	2.0	34.1	310	270	0.268	30	3,374	1,000/drum
4 X 95 rm	19	1.6	2.1	38.7	375	335	0.193	30	4,536	1,000/drum
4 X 120 rm	37	1.6	2.2	42.6	425	390	0.153	30	5,676	1,000/drum
4 X 150 rm	37	1.8	2.4	46.5	480	445	0.124	30	6,910	1,000/drum
4 X 185 rm	37	2.0	2.6	52.2	550	510	0.0991	20	8,596	1,000/drum
4 X 240 rm	61	2.2	2.7	58.5	640	620	0.0754	20	11,087	1,000/drum
4 X 300 rm	61	2.4	3.1	85.4	730	710	0.0601	20	13,548	1,000/drum

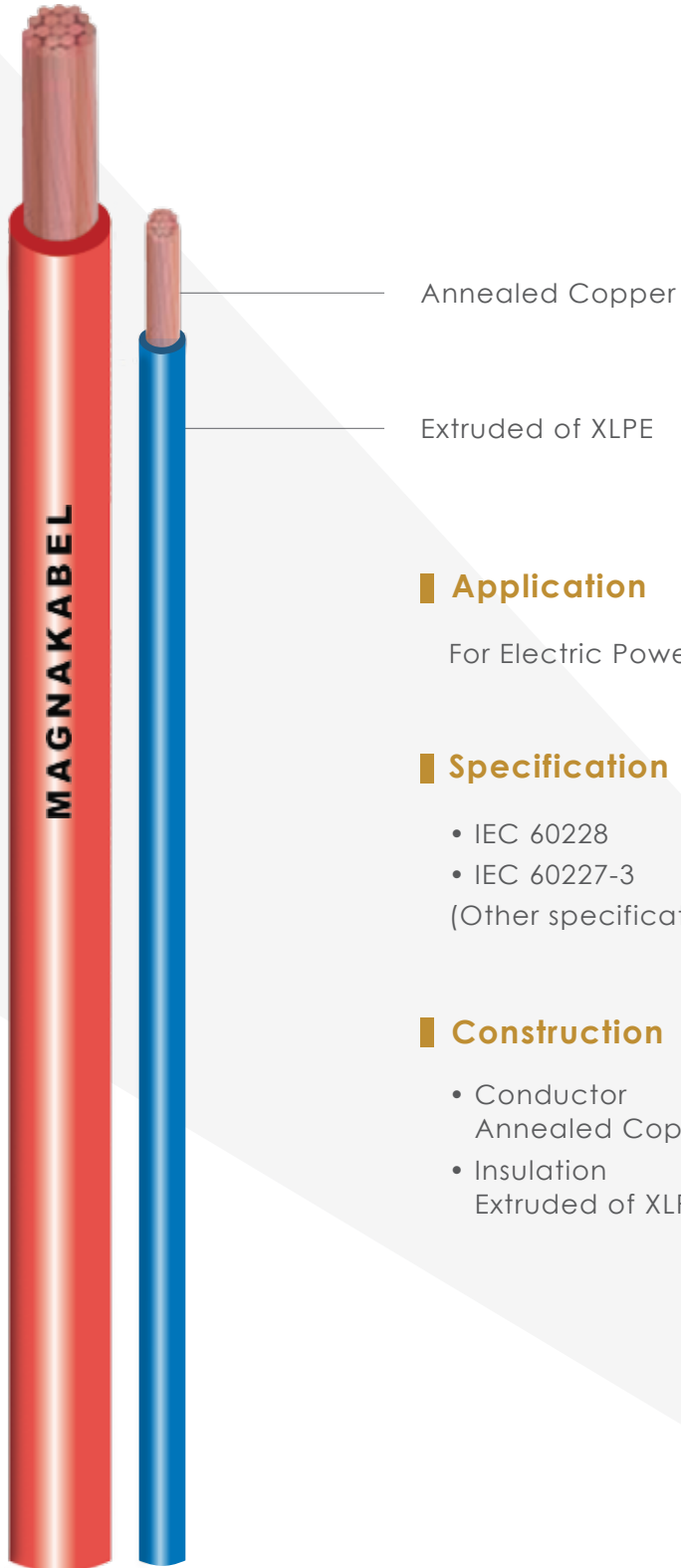
Nom. Cross Sect.	No of Wire	Thickness of Insulation	Thickness of Outer Sheath	Approx. Overall Diameter	Current Carrying Capacity		Max. Conductor DC Resistance (20°C)	Min. Insulation Resistance (20°C)	Approx. Cable Weight	Standard Delivery Length
					In Ground (30°C)	In air (40°C)				
mm ²	n	mm	mm	mm	A	A	Ω/km	MΩ/km	kg/km	m
5 x 1.5 re	1	0.8	1.8	12.8	33	26	12.1	50	255	1,000/drum
5 x 2.5 re	1	0.8	1.8	14.0	45	35	7.41	50	329	1,000/drum
5 x 4 re	1	1.0	1.8	16.3	58	46	4.61	50	470	1,000/drum
5 x 6 re	1	1.0	1.8	17.1	74	58	3.08	50	602	1,000/drum
5 x 10 re	1	1.0	1.8	21.1	98	80	1.83	50	912	1,000/drum
5 x 16 rm	7	1.0	1.8	23.8	129	105	1.15	40	1,279	1,000/drum
5 x 25 rm	7	1.2	1.8	28.3	169	140	0.727	40	1,914	1,000/drum
5 x 35 rm	7	1.2	1.9	31.5	210	175	0.524	40	2,505	1,000/drum
5 x 50 rm	19	1.4	2.0	36.4	250	215	0.387	30	3,273	1,000/drum

Applications : Indoor and outdoor induct installation or of laying in the ground where not sustain mechanical damage



0.6/1 kV, N2XA (Cu/XLPE)

(Copper Conductor, XLPE Insulation)



Application

For Electric Power Circuit.

Specification

- IEC 60228
- IEC 60227-3

(Other specifications are available upon request).

Construction

- Conductor
Annealed Copper.
- Insulation
Extruded of XLPE.

XLPE INSULATION ANNEALED COPPER

SNI 04 - 6629.3 : 2006

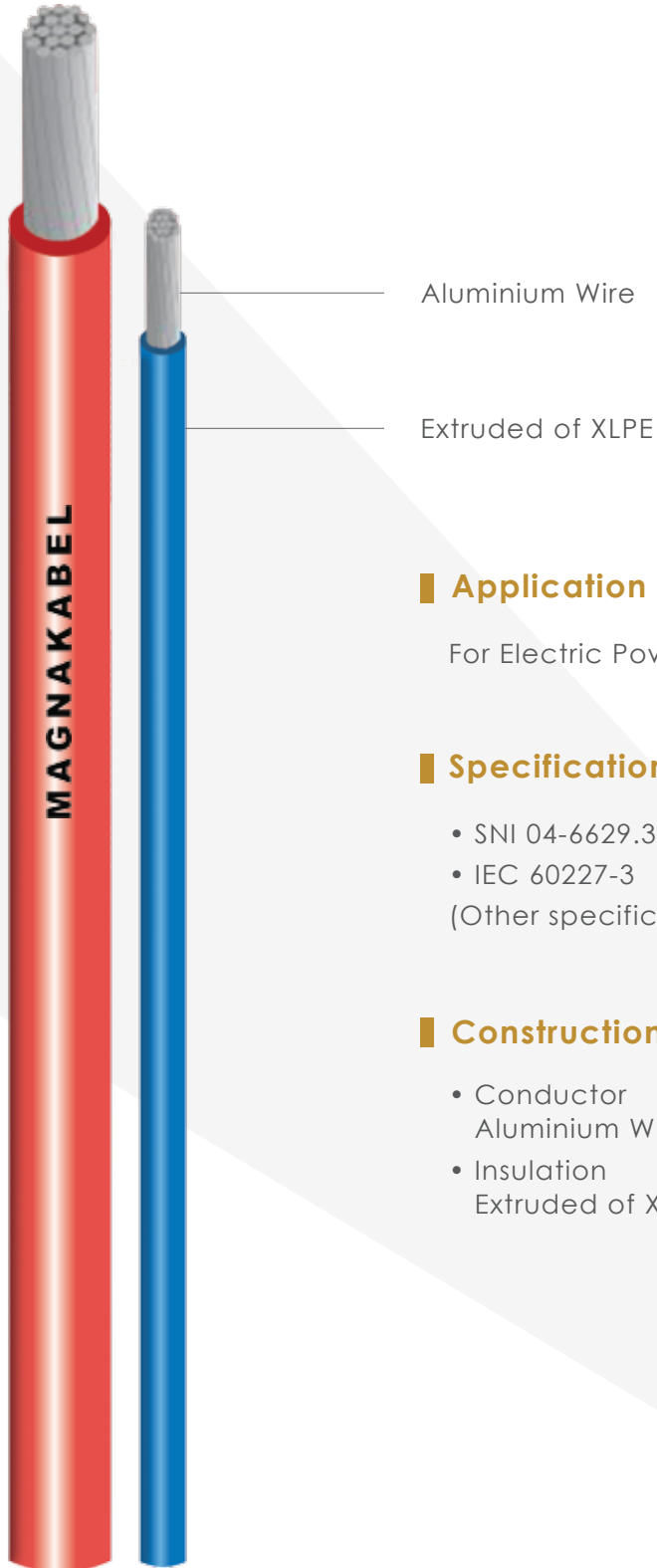
Nom. Cross Sect.	No of Wire	Conductor Diameter	Thickness of Insulation	Approx. Overall Diameter	Current Carrying Capacity (30°C)	Max. Conductor DC Resistance (20°C)	Min. Insulation Resistance (20°C)	Approx. Cable Weight	Standard Delivery Length
mm ²	n	mm	mm	mm	A	Ω/km	MΩ/km	kg/km	m
1.5 re	1	1.38	0.7	2.9	40	12.1	2500	20	100/coil
2.5 re	1	1.78	0.7	3.3	54	7.41	2100	28	100/coil
4 re	1	2.25	0.7	3.8	73	4.61	1800	42	100/coil
6 re	1	2.76	0.7	4.3	88	3.08	1500	61	100/coil
10 rm	1	3.57	0.7	5.1	119	1.83	1200	99	100/coil
16 rm	7	1.66	0.7	6.5	157	1.15	1100	148	1,000/drum
25 rm	7	2.09	0.9	8.2	205	0.727	1100	235	1,000/drum
35 rm	7	2.46	0.9	9.3	246	0.524	1000	322	1,000/drum
50 rm	19	1.74	1.0	10.8	294	0.387	900	435	1,000/drum
70 rm	19	2.09	1.1	12.8	358	0.268	900	624	1,000/drum
95 rm	19	2.46	1.1	14.6	432	0.193	800	856	1,000/drum
120 rm	37	1.98	1.2	16.4	494	0.153	800	1,079	1,000/drum
150 rm	37	2.2	1.4	18.3	555	0.124	800	1,336	1,000/drum
185 rm	37	2.46	1.6	20.6	632	0.0991	800	1,672	1,000/drum
240 rm	61	2.2	1.7	23.3	735	0.0754	700	2,195	1,000/drum
300 rm	61	2.46	1.8	25.9	838	0.0601	700	2,738	1,000/drum
400 rm	61	2.79	2.0	29.3	960	0.047	700	3,518	1,000/drum

Applications : For Electric Power Circuit



0.6/1 kV, NA2XA (Al/XLPE)

(Aluminium Conductor, XLPE Insulation)



Application

For Electric Power Circuit.

Specification

- SNI 04-6629.3
- IEC 60227-3

(Other specifications are available upon request).

Construction

- Conductor
Aluminium Wire.
- Insulation
Extruded of XLPE.

NA2XA (Al/XLPE) (Aluminium Conductor, XLPE Insulated)

■ Standard Specification

- SNI 04-6629.3
- IEC 60227-3

Other specifications are available upon request.

■ Rated Voltage

450/750 V

■ Number of core

1 core

■ Cross Sectional Area

10 – 1000 mm²

■ Application

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

■ Note

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

■ Standard Packing

- 10 - 800 sqmm supplied in wooden drum @1000 m.
- 1000 sqmm will be supplied in wooden drum on available length.
- Length Tolerance per drum $\pm 2\%$.

■ Note : Conductor Shape

Supplied in non compacted circular stranded (rm) conductor shape.

0.6/1 kV, NA2XY (Al / XLPE / PVC)

(Aluminium Conductor, XLPE Insulated, PVC Sheathed)



Application

Power cable : Indoors, cable trunking, outdoors and buried in the ground, for power stations, industry and switch gear 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
- Heat Resistance
- Low Smoke Zero Halogen
- Anti Termite

Standard Packing

- 10 - 800 sqmm supplied in wooden drum @1000 meters.
- Length Tolerance per drum $\pm 2\%$.

Note : Conductor Shape

- 10 - 16 sqmm supplied in solid (re) or non compacted circular stranded (rm) conductor shape.
- 25 - 800 sqmm supplied in non compacted circular stranded (rm) or compacted circular stranded (cm) conductor shape.

POWER CABLE ALUMINIUM CONDUCTOR PVC INSULATED, SHEATHED

SPLN 43 - 6 : 1994 / SNI 60502 - 1 : 2009

Nom. Cross Sect.	No of Wire	Thickness of Insulation	Thickness of Outer Sheath	Approx. Overall Diameter	Current Carrying Capacity		Max. Conductor DC Resistance (20°C)	Min. Insulation Resistance (20°C)	Approx. Cable Weight	Standard Delivery Length
					In Ground (30°C)	In air (30°C)				
mm ²	n	mm	mm	mm	A	A	Ω/km	MΩ/km	kg/km	m
25 rm	7	0.9	1.4	10.8	170	137	1.20	1,100	150	1,000/drum
35 rm	7	0.9	1.4	12.0	205	168	0.868	1,000	188	1,000/drum
50 rm	19	1.0	1.4	13.6	242	204	0.641	900	240	1,000/drum
70 rm	19	1.1	1.4	15.2	301	257	0.443	900	311	1,000/drum
95 rm	19	1.1	1.6	17.7	360	318	0.320	800	426	1,000/drum
120 rm	37	1.2	1.6	19.4	421	368	0.253	800	515	1,000/drum
150 rm	37	1.4	1.6	21.4	463	421	0.206	800	628	1,000/drum
185 rm	37	1.6	1.6	23.6	525	488	0.164	800	760	1,000/drum
240 rm	61	1.7	1.8	26.8	615	583	0.125	700	983	1,000/drum
300 rm	61	1.8	1.8	29.3	700	675	0.100	700	1,195	1,000/drum
400 rm	61	2.0	2.0	33.1	800	790	0.0778	700	1,525	1,000/drum
500 rm	61	2.2	2.1	37.1	915	921	0.0605	700	1,923	1,000/drum

Applications : Indoor and outdoor induct installation or of laying in the ground where not sustain mechanical damage

POWER CABLE ALUMINIUM CONDUCTOR PVC INSULATED, SHEATHED

SPLN 43 - 6 : 1994 / SNI 60502 - 1 : 2009

Nom. Cross Sect.	No of Wire	Thickness of Insulation	Thickness of Inner Sheath	Thickness of Outer Sheath	Approx. Overall Diameter	Current Carrying Capacity		Max. Conductor DC Resistance (20°C)	Min. Insulation Resistance (20°C)	Approx. Cable Weight	Standard Delivery Length
						In Ground (30°C)	In air (30°C)				
mm ²	n	mm	mm	mm	mm	A	A	Ω/km	MΩ/km	kg/km	m
2 x 25 rm	7	0.9	1.0	1.8	21.7	130	119	1.20	1,100	592	1,000/drum
2 x 35 rm	7	0.9	1.0	1.8	24.0	157	145	0.868	1,000	735	1,000/drum
2 x 50 rm	19	1.0	1.0	1.8	27.2	185	175	0.641	900	947	1,000/drum
2 x 70 rm	19	1.1	1.0	1.8	30.8	229	200	0.443	900	1,224	1,000/drum
2 x 95 rm	19	1.1	1.2	2.0	35.4	276	272	0.320	800	1,634	1,000/drum
2 x 120 rm	37	1.2	1.2	2.1	39.0	320	317	0.253	800	1,976	1,000/drum
2 x 150 rm	37	1.4	1.2	2.2	43.2	351	362	0.206	800	2,428	1,000/drum
2 x 185 rm	37	1.6	1.4	2.3	48.2	400	420	0.164	800	3,029	1,000/drum
2 x 240 rm	61	1.7	1.4	2.5	54.2	467	497	0.125	700	3,839	1,000/drum
2 x 300 rm	61	1.8	1.6	2.7	60.1	532	577	0.100	700	4,742	1,000/drum

Nom. Cross Sect.	No of Wire	Thickness of Insulation	Thickness of Inner Sheath	Thickness of Outer Sheath	Approx. Overall Diameter	Current Carrying Capacity		Max. Conductor DC Resistance (20°C)	Min. Insulation Resistance (20°C)	Approx. Cable Weight	Standard Delivery Length
						In Ground (30°C)	In air (30°C)				
mm ²	n	mm	mm	mm	mm	A	A	Ω/km	MΩ/km	kg/km	m
3 x 25 rm	7	0.9	1.0	1.8	23.0	110	100	1.20	1,100	670	1,000/drum
3 x 35 rm	7	0.9	1.0	1.8	25.4	132	123	0.868	1,000	837	1,000/drum
3 x 50 rm	19	1.0	1.0	1.8	27.5	156	148	0.641	900	913	1,000/drum
3 x 70 rm	19	1.1	1.2	1.8	31.3	193	188	0.443	900	1,225	1,000/drum
3 x 95 rm	19	1.1	1.2	2.0	34.3	232	233	0.320	800	1,539	1,000/drum
3 x 120 rm	37	1.2	1.2	2.1	37.3	268	271	0.253	800	1,888	1,000/drum
3 x 150 rm	37	1.4	1.4	2.3	41.7	298	310	0.206	800	2,371	1,000/drum
3 x 185 rm	37	1.6	1.4	2.4	45.5	336	359	0.164	800	2,846	1,000/drum
3 x 240 rm	61	1.7	1.6	2.6	50.7	429	429	0.125	700	3,637	1,000/drum
3 x 300 rm	61	1.8	1.6	2.8	55.1	447	496	0.100	700	4,393	1,000/drum

Applications : Indoor and outdoor induct installation or of laying in the ground where not sustain mechanical damage



0.6/1 kV, NAYY (Al / PVC / PVC)

(Aluminium Conductor, PVC Insulated, PVC Sheathed)



Application

Power cable : Indoors, cable trunking, outdoors and buried in the ground, for power stations, industry and switch gear 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
- Heat Resistance
- Anti Termite
- Anti Rodent
- Low Smoke Zero Halogen

Standard Packing

- 10 - 800 sqmm supplied in wooden drum @1000 meters.
- Length Tolerance per drum $\pm 2\%$.

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.

POWER CABLE ALUMINIUM CONDUCTOR PVC INSULATED, SHEATHED

SPLN 43 - 1 : 1994

Nom. Cross Sect.	No of Wire	Thickness of Insulation	Thickness of Outer Sheath	Approx. Overall Diameter	Current Carrying Capacity		Max. Conductor DC Resistance (20°C)	Min. Insulation Resistance (20°C)	Approx. Cable Weight	Standard Delivery Length
					In Ground (30°C)	In air (30°C)				
mm ²	n	mm	mm	mm	A	A	Ω/km	MΩ/km	kg/km	m
25 rm	7	1.2	1.4	11.4	134	110	1.20	40	171	1,000/drum
35 rm	7	1.2	1.4	12.6	160	135	0.868	40	210	1,000/drum
50 rm	19	1.4	1.4	14.4	191	165	0.641	30	276	1,000/drum
70 rm	19	1.4	1.4	16.0	240	210	0.443	30	350	1,000/drum
95 rm	19	1.6	1.5	18.5	290	260	0.320	30	472	1,000/drum
120 rm	37	1.6	1.5	20.1	335	300	0.253	30	557	1,000/drum
150 rm	37	1.8	1.6	22.2	375	350	0.206	20	688	1,000/drum
185 rm	37	2.0	1.7	24.6	425	400	0.164	20	850	1,000/drum
240 rm	61	2.2	1.8	27.8	500	480	0.125	20	1,092	1,000/drum
300 rm	61	2.4	1.9	30.7	570	550	0.100	20	1,345	1,000/drum
400 rm	61	2.6	2.0	34.3	680	660	0.0778	20	1,684	1,000/drum
500 rm	61	2.8	2.1	38.3	765	780	0.0605	20	2,108	1,000/drum

Applications : Indoor and outdoor induct installation or of laying in the ground where not sustain mechanical damage

POWER CABLE ALUMINIUM CONDUCTOR PVC INSULATED, SHEATHED

SPLN 43 - 1 : 1994

Nom. Cross Sect.	No of Wire	Thickness of Insulation	Thickness of Inner Sheath	Thickness of Outer Sheath	Approx. Overall Diameter	Current Carrying Capacity		Max. Conductor DC Resistance (20°C)	Min. Insulation Resistance (20°C)	Approx. Cable Weight	Standard Delivery Length
						In Ground (30°C)	In air (30°C)				
mm ²	n	mm	mm	mm	mm	A	A	Ω/km	MΩ/km	kg/km	m
2 x 25 rm	7	1.2	1.0	1.8	22.9	102	94	1.20	40	668	1,000/drum
2 x 35 rm	7	1.2	1.0	1.8	25.2	125	115	0.868	40	816	1,000/drum
2 x 50 rm	19	1.4	1.0	1.8	28.8	147	140	0.641	30	1,077	1,000/drum
2 x 70 rm	19	1.4	1.0	1.9	32.2	158	155	0.443	30	1,355	1,000/drum
2 x 95 rm	19	1.6	1.0	2.0	37.0	191	190	0.320	30	1,798	1,000/drum
2 x 120 rm	37	1.6	1.0	2.1	40.2	220	220	0.253	30	2,131	1,000/drum
2 x 150 rm	37	1.8	1.0	2.2	44.4	245	245	0.206	20	2,608	1,000/drum
2 x 185 rm	37	2.0	1.4	2.4	50.0	275	275	0.164	20	3,312	1,000/drum
2 x 240 rm	61	2.2	1.4	2.6	56.4	320	320	0.125	20	4,226	1,000/drum
2 x 300 rm	61	2.4	1.6	2.7	62.5	365	365	0.100	20	5,207	1,000/drum

Nom. Cross Sect.	No of Wire	Thickness of Insulation	Thickness of Inner Sheath	Thickness of Outer Sheath	Approx. Overall Diameter	Current Carrying Capacity		Max. Conductor DC Resistance (20°C)	Min. Insulation Resistance (20°C)	Approx. Cable Weight	Standard Delivery Length
						In Ground (30°C)	In air (30°C)				
mm ²	n	mm	mm	mm	mm	A	A	Ω/km	MΩ/km	kg/km	m
3 x 25 rm	7	1.2	1.0	1.8	24.3	89	82	1.20	40	760	1,000/drum
3 x 35 rm	7	1.2	1.0	1.8	26.7	107	100	0.868	40	933	1,000/drum
3 x 50 rm	19	1.4	1.0	1.8	29.1	129	125	0.641	30	1,069	1,000/drum
3 x 70 rm	19	1.4	1.0	2.0	32.7	158	155	0.443	30	1,392	1,000/drum
3 x 95 rm	19	1.6	1.2	2.1	36.5	191	190	0.320	30	1,795	1,000/drum
3 x 120 rm	37	1.6	1.2	2.2	39.1	220	220	0.253	30	2,143	1,000/drum
3 x 150 rm	37	1.8	1.4	2.3	43.3	245	250	0.206	20	2,659	1,000/drum
3 x 185 rm	37	2.0	1.4	2.5	47.3	275	265	0.164	20	3,211	1,000/drum
3 x 240 rm	61	2.2	1.6	2.7	52.9	320	340	0.125	20	4,113	1,000/drum
3 x 300 rm	61	2.4	1.6	2.9	57.7	365	390	0.100	20	4,985	1,000/drum

Applications : Indoor and outdoor induct installation or of laying in the ground where not sustain mechanical damage



450/750 V, NAYA (Al/PVC)

(Aluminium Conductor, PVC Insulated)



Aluminium Conductor

PVC Insulated

Application

For building wire installed in conduit in dry location and inter wiring in switchboard and control panel.

Special Features on Request

- Fire Resistance
- Oil Resistance
- Flame Retardant Cat. A, B, C
- Flame Retardant Non Category

Standard Packing

- 1.5 - 16 sqmm supplied in coil @100 meters.
- 25 - 400 sqmm supplied in wooden drum @1000 meters.
- Length Tolerance per drum $\pm 2\%$.

Note : Conductor Shape

- 1.5 - 10 sqmm supplied in solid (re) or non compacted circular stranded (rm) conductor shape.
- 16 - 400 sqmm supplied in non compacted circular stranded (rm) conductor shape.

ALUMINIUM CONDUCTOR WITH PVC INSULATED (NAYA) 450/750 V SNI 04.6629.3 ; IEC 60227

Nom. Cross Sect.	Approx. Overall Diameter	Current Carrying Capacity at 30°C		Max. Conductor DC Resistance (20°C)	Min. Insulation DC Resistance (20°C)	Approx. Cable Weight	Standard Delivery Length
		in Pipe	in Air				
mm ²	mm	A	A	Ω/km	MΩ/km	kg/km	m
1 X 10	6.06	57	37	3.08	0.007	55	1,000/drum
1 X 16	7.11	76	49	1.91	0.005	79	1,000/drum
1 X 25	8.77	103	67	1.20	0.005	120	1,000/drum
1 X 35	10.31	129	84	0.868	0.004	167	1,000/drum
1 X 50	11.65	157	102	0.641	0.004	207	1,000/drum
1 X 70	13.40	198	129	0.443	0.004	279	1,000/drum
1 X 95	15.65	248	161	0.320	0.003	381	1,000/drum
1 X 120	17.23	289	188	0.253	0.003	460	1,000/drum
1 X 150	19.17	333	-	0.206	0.003	569	1,000/drum
1 X 185	21.39	390	-	0.164	0.003	709	1,000/drum
1 X 240	24.39	469	-	0.125	0.003	919	1,000/drum
1 X 300	27.13	546	-	0.100	0.003	1,140	1,000/drum
1 X 400	30.41	644	-	0.0778	0.003	1,437	1,000/drum

Applications : Indoor and outdoor induct installation or of laying in the ground where not sustain mechanical damage



PT. MAGNAKABEL NUSANTARA

POWER YOUR WORLD

The cables are produced to confirm with the National and the International standards such as:

- SNI : Standar Nasional Indonesia
- SPLN : Standar Perusahaan Listrik Negara
- IEC : International Electrotechnical Commission
- BS : British Standards
- JIS : Japanese Industrial Standards
- VDE : Verband Deutscher Elektrotechniker
- ASTM : American Society for Testing Material
- DIN : Deutsche Industries Norm

By request : We can also produce products according to other specifications



