

Aluminium Conductor PVC Insulated and PVC Sheathed

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



Specification :
SNI IEC 60502-1 : 2009
IEC 60502-1 : 2004

Construction:

Conductor

Aluminium conductor round circular stranded according to SNI IEC 60228

Insulation

Extruded layer of Polyvinyl Chloride (PVC) complied with SNI IEC 60502 - 1

Colour : - Red or ●
 - Light Blue or ●
 - Black or ●
 - Other Colour

Special Features on Request :

- Fire Resistance • Flame Retardant Cat. A/B/C • Oil Resistance
- UV Resistance • Anti termite • Anti rodent • Low Smoke
- Zero Halogen

Applications :

For Installations as underground, outdoor, indoor, in ducts and where mechanical protection is required or for higher tensile stresses during installation and operation.

Note : [rm] Circular stranded conductor

Packing : [D] Drum

Outer Sheath

The Outer Sheath shall be a layer of Extruded Polyvinyl Chloride (PVC) grade ST1 to IEC 60502-1, Black colour.

No. of cores and cross-section area	Nominal thickness		Overall Diameter (approx)	Weight of Cable (approx) kg/km	DC. Resistance at 20 °C Insulation Min M.Ω.km	Current Carrying Capacity at 30 °C				Short circuit current of conductor at 1.0 sec kA	Standard Delivery Length m
	Insulation	Outer Sheath				In Air		In Ground			
sq.mm	mm	mm	mm	kg/km	M.Ω.km	A	A	A	A	kA	m
1 x 16 rm	1.0	1.4	10.3	135	5	66	77	68	76	1.22	1,000
1 x 25 rm	1.2	1.4	11.4	171	5	88	91	98	97	1.90	1,000
1 x 35 rm	1.2	1.4	12.6	210	4	109	112	118	117	2.66	1,000
1 x 50 rm	1.4	1.4	14.4	276	4	134	138	140	138	3.80	1,000
1 x 70 rm	1.4	1.5	16.0	350	4	170	175	171	169	5.32	1,000
1 x 95 rm	1.6	1.5	18.5	472	4	210	216	205	202	7.22	1,000
1 x 120 rm	1.6	1.5	20.1	557	3	244	251	233	229	9.12	1,000
1 x 150 rm	1.8	1.6	22.2	688	3	283	291	261	258	11.40	1,000
1 x 185 rm	2.0	1.7	24.6	850	3	328	339	296	292	14.06	1,000
1 x 240 rm	2.2	1.8	27.8	1,092	3	395	407	344	339	18.24	1,000
1 x 300 rm	2.4	1.9	30.7	1,345	3	456	471	388	382	22.80	1,000
1 x 400 rm	2.6	2.0	34.3	1,684	3	548	565	447	440	27.20	1,000
1 x 500 rm	2.8	2.1	38.3	2,108	3	633	653	507	499	34.00	1,000
1 x 630 rm	2.8	2.3	44.5	2,709	3	738	762	576	566	42.48	1,000

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Construction:

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Aluminium conductor round circular stranded according to SNI IEC 60228

Insulation

Extruded layer of Polyvinyl Chloride (PVC) complied with SNI IEC 60502 - 1

Colour : - Light Blue and Brown



Inner Covering / filler

Extruded Polyvinyl Chloride (PVC), Black colour

Outer Sheath

The Outer Sheath shall be a layer of Extruded Polyvinyl Chloride (PVC) grade ST1 to IEC 60502-1, Black colour.

Special Features on Request :

- Fire Resistance • Flame Retardant Cat. A/B/C • Oil Resistance
- UV Resistance • Anti termite • Anti rodent • Low Smoke Zero Halogen

Applications :

For Installations as underground, outdoor, indoor, in ducts and where mechanical protection is required or for higher tensile stresses during installation and operation.

Note : [rm] Circular stranded conductor

Packing : [D] Drum

No. of cores and cross-section area	Nominal thickness		Overall Diameter (approx)	Weight of Cable (approx) kg/km	DC. Resistance at 20 °C Insulation Min M.Ω.km	Current Carrying Capacity at 30 °C		Short circuit current of conductor at 1.0 sec kA	Standard Delivery Length m
	Insulation mm	Outer Sheath mm				In Air A	In Ground A		
2 x 25 rm	1.2	1.8	22.9	668	5	94	102	1.90	1,000
2 x 35 rm	1.2	1.8	25.2	816	4	115	125	2.66	1,000
2 x 50 rm	1.4	1.8	28.8	1,077	4	140	147	3.80	1,000
2 x 70 rm	1.4	1.9	32.2	1,355	4	155	156	5.32	1,000
2 x 95 rm	1.6	2.0	37.0	1,798	4	190	191	7.22	1,000
2 x 120 rm	1.6	2.1	40.2	2,131	3	220	220	9.12	1,000
2 x 150 rm	1.8	2.2	44.4	2,608	3	245	245	11.40	1,000
2 x 185 rm	2.0	2.4	50.0	3,312	3	275	275	14.06	1,000
2 x 240 rm	2.2	2.6	56.4	4,226	3	320	320	18.24	500
2 x 300 rm	2.4	2.7	62.5	5,207	3	365	365	22.80	500

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



Specification :
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Construction:

Conductor

Aluminium conductor round circular stranded or sector shaped according to SNI IEC 60228

Insulation

Extruded layer of Polyvinyl Chloride (PVC) complied with SNI IEC 60502 - 1

Colour : - Yellow Strip Green, Light Blue And Brown
- Brown, Black And Grey



Inner Covering / filler

Extruded Polyvinyl Chloride (PVC), Black colour

Outer Sheath

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Special Features on Request :

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- UV Resistance • Anti termite • Anti rodent • Low Smoke
- Zero Halogen

Applications :

For Installations as underground, outdoor, indoor, in ducts and where mechanical protection is required or for higher tensile stresses during installation and operation.

Note : [rm] Circular stranded conductor
[sm] Sector shape conductor

Packing : [D] Drum

No. of cores and cross-section area	Nominal thickness		Overall Diameter (approx)	Weight of Cable (approx) kg/km	DC. Resistance at 20 °C Insulation Min M.Ω.km	Current Carrying Capacity at 30 °C		Short circuit current of conductor at 1.0 sec kA	Standard Delivery Length m
	Insulation mm	Outer Sheath mm				In Air A	In Ground A		
3 x 25 rm	1.2	1.8	24.3	760	5	82	89	1.90	1,000
3 x 35 rm	1.2	1.8	26.7	933	4	100	107	2.66	1,000
3 x 50 sm	1.4	1.8	29.1	1,069	4	125	129	3.80	1,000
3 x 70 sm	1.4	2.0	32.7	1,392	4	155	156	5.32	1,000
3 x 95 sm	1.6	2.1	36.5	1,795	4	190	191	7.22	1,000
3 x 120 sm	1.6	2.2	39.1	2,143	3	220	220	9.12	1,000
3 x 150 sm	1.8	2.3	43.3	2,659	3	250	245	11.40	1,000
3 x 185 sm	2.0	2.5	47.3	3,211	3	285	275	14.06	1,000
3 x 240 sm	2.2	2.7	52.9	4,113	3	340	320	18.24	1,000
3 x 300 sm	2.4	2.9	57.7	4,985	3	390	365	22.80	500
3 x 400 sm	2.6	3.1	64.7	6,265	3	460	420	27.20	500

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Colour : - Yellow Strip Green, Brown, Black And Grey
- Light Blue, Brown, Black And Grey



Inner Covering / filler

Extruded Polyvinyl Chloride (PVC), Black colour

Outer Sheath

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Packing : [D] Drum

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	Insulation mm	Outer Sheath mm				In Air A	In Ground A		
4 x 25 rm	1.2	1.8	26.4	893	5	82	89	1.90	1,000
4 x 35 rm	1.2	1.8	29.2	1,102	4	100	107	2.66	1,000
4 x 50 sm	1.4	1.9	31.3	1,336	4	125	129	3.80	1,000
4 x 70 sm	1.4	2.1	34.9	1,727	4	155	156	5.32	1,000
4 x 95 sm	1.6	2.2	39.8	2,274	4	190	191	7.22	1,000
4 x 120 sm	1.6	2.3	43.6	2,784	3	220	220	9.12	1,000
4 x 150 sm	1.8	2.5	48.2	3,423	3	250	245	11.40	1,000
4 x 185 sm	2.0	2.7	53.2	4,160	3	285	275	14.06	1,000
4 x 240 sm	2.2	2.9	61.2	5,459	3	340	320	18.24	500
4 x 300 sm	2.4	3.1	66.9	6,517	3	390	365	22.80	500
4 x 400 sm	2.6	3.4	70.6	8,042	3	460	420	27.20	500