

Aluminium Conductor PVC Insulated Galvanized Steel Tape Armour and PVC Sheathed

AI/PVC/DSTA/PVC 0.6/1 kV (NAYBY)



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 : - Light Blue and Brown



Inner Covering / filler

Extruded Polyvinyl Chloride (PVC), Black colour

Armour

Two layers of Galvanized steel tape helically applied.

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)	DC. Resistance at 20 °C Insulation Min	Current Carrying Capacity at 30 °C		Short circuit current of conductor at 1.0 sec	Standard Delivery Length
	Insulation	Outer Sheath				In Air	In Ground		
sq.mm	mm	mm	mm	kg/km	M.Ω.km	A	A	kA	m
2 x 25 rm	1.2	1.8	23.5	889	5	94	102	1.90	1,000
2 x 35 rm	1.2	1.8	25.8	1,062	4	115	125	2.66	1,000
2 x 50 rm	1.4	1.8	29.4	1,361	4	140	147	3.80	1,000
2 x 70 rm	1.4	1.9	32.8	1,677	4	180	178	5.32	1,000
2 x 95 rm	1.6	2.1	38.6	2,487	4	215	220	7.22	1,000
2 x 120 rm	1.6	2.2	41.9	2,896	3	250	245	9.12	1,000
2 x 150 rm	1.8	2.4	46.2	3,456	3	290	280	11.40	1,000
2 x 185 rm	2.0	2.5	51.2	4,188	3	335	315	14.06	1,000
2 x 240 rm	2.2	2.7	57.6	5,214	3	395	370	18.24	500
2 x 300 rm	2.4	2.9	63.9	6,336	3	460	415	22.80	500

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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



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Applications :

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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	24.9	996	5	82	89	1.90	1,000
3 x 35 rm	1.2	1.8	27.3	1,196	4	100	107	2.66	1,000
3 x 50 sm	1.4	1.9	29.9	1,369	4	125	129	3.80	1,000
3 x 70 sm	1.4	2.0	33.3	1,726	4	155	156	5.32	1,000
3 x 95 sm	1.6	2.2	37.7	2,433	4	190	191	7.22	1,000
3 x 120 sm	1.6	2.3	40.3	2,828	3	220	220	9.12	1,000
3 x 150 sm	1.8	2.5	44.7	3,441	3	250	245	11.40	1,000
3 x 185 sm	2.0	2.6	48.5	4,043	3	285	275	14.06	1,000
3 x 240 sm	2.2	2.8	54.1	5,045	3	340	320	18.24	500
3 x 300 sm	2.4	3.0	58.9	6,003	3	390	365	22.80	500
3 x 400 sm	2.6	3.3	66.9	7,583	3	460	420	27.20	500

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	Insulation	Outer Sheath				In Air	In Ground		
sq.mm	mm	mm	mm	kg/km	M.Ω.km	A	A	kA	m
4 x 25 rm	1.2	1.8	27.0	1,153	5	82	89	1.90	1,000
4 x 35 rm	1.2	1.9	30.0	1,406	4	100	107	2.66	1,000
4 x 50 sm	1.4	2.0	32.1	1,662	4	125	129	3.80	1,000
4 x 70 sm	1.4	2.2	36.1	2,325	4	155	156	5.32	1,000
4 x 95 sm	1.6	2.4	41.2	2,980	4	190	191	7.22	1,000
4 x 120 sm	1.6	2.5	45.0	3,561	3	220	220	9.12	1,000
4 x 150 sm	1.8	2.6	49.4	4,259	3	250	245	11.40	1,000
4 x 185 sm	2.0	2.8	54.8	5,145	3	285	275	14.06	500
4 x 240 sm	2.2	3.0	62.4	6,527	3	340	320	18.24	500
4 x 300 sm	2.4	3.2	68.2	7,689	3	390	365	22.80	500
4 x 400 sm	2.6	3.5	71.8	9,271	3	460	420	27.20	500