

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

A layer of galvanized flat steel wire with a counter helix layer of galvanized steel tape

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 general purpose power distribution in dry or wet location, best suitable for direct burying in ground.

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	25.1	1,108	5	94	102	1.90	1,000
2 x 35 rm	1.2	1.8	27.4	1,303	4	115	125	2.66	1,000
2 x 50 rm	1.4	1.9	31.2	1,652	4	140	147	3.80	1,000
2 x 70 rm	1.4	2.0	34.6	2,001	4	180	178	5.32	1,000
2 x 95 rm	1.6	2.1	39.8	2,591	4	215	220	7.22	1,000
2 x 120 rm	1.6	2.2	43.1	3,008	3	250	245	9.12	1,000
2 x 150 rm	1.8	2.3	47.2	3,557	3	290	280	11.40	1,000
2 x 185 rm	2.0	2.5	52.4	4,322	3	335	315	14.06	1,000
2 x 240 rm	2.2	2.7	58.8	5,364	3	395	370	18.24	500
2 x 300 rm	2.4	2.8	64.9	6,471	3	460	415	22.80	500

Al/PVC/SFA/PVC 0.6/1 kV (NAYFGbY)



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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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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)	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
3 x 25 rm	1.2	1.8	24.5	1,228	5	82	89	1.90	1,000
3 x 35 rm	1.2	1.8	28.9	1,453	4	100	107	2.66	1,000
3 x 50 sm	1.4	1.9	31.5	1,648	4	125	129	3.80	1,000
3 x 70 sm	1.4	2.0	34.9	2,037	4	155	156	5.32	1,000
3 x 95 sm	1.6	2.2	38.9	2,534	4	190	191	7.22	1,000
3 x 120 sm	1.6	2.3	41.5	2,936	3	220	220	9.12	1,000
3 x 150 sm	1.8	2.4	45.7	3,539	3	250	245	11.40	1,000
3 x 185 sm	2.0	2.6	49.7	4,170	3	285	275	14.06	1,000
3 x 240 sm	2.2	2.8	55.3	5,187	3	340	320	18.24	500
3 x 300 sm	2.4	3.0	60.1	6,156	3	390	365	22.80	500
3 x 400 sm	2.6	3.2	67.1	7,581	3	460	420	27.20	500

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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		
4 x 25 rm	1.2	1.8	28.6	1,407	5	82	89	1.90	1,000
4 x 35 rm	1.2	1.9	31.6	1,687	4	100	107	2.66	1,000
4 x 50 sm	1.4	2.0	33.7	1,962	4	125	129	3.80	1,000
4 x 70 sm	1.4	2.1	37.1	2,406	4	155	156	5.32	1,000
4 x 95 sm	1.6	2.3	42.2	3,071	4	190	191	7.22	1,000
4 x 120 sm	1.6	2.4	46.0	3,659	3	220	220	9.12	1,000
4 x 150 sm	1.8	2.6	50.6	4,389	3	250	245	11.40	1,000
4 x 185 sm	2.0	2.8	56.0	5,288	3	285	275	14.06	500
4 x 240 sm	2.2	3.0	63.6	6,689	3	340	320	18.24	500
4 x 300 sm	2.4	3.2	69.4	7,864	3	390	365	22.80	500
4 x 400 sm	2.6	3.5	73.0	9,455	3	460	420	27.20	500