

Al/PVC/SWA/PVC 0.6/1 kV (NAYRGbY)



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 round steel wires 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, outdoor, indoor and in ducts

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	26.7	1,394	5	94	102	1.90	1,000
2 x 35 rm	1.2	1.8	29.0	1,617	4	115	125	2.66	1,000
2 x 50 rm	1.4	1.8	33.4	2,216	4	140	147	3.80	1,000
2 x 70 rm	1.4	1.9	36.8	2,627	4	180	178	5.32	1,000
2 x 95 rm	1.6	2.2	42.4	3,351	4	215	220	7.22	1,000
2 x 120 rm	1.6	2.3	46.7	4,220	3	250	245	9.12	1,000
2 x 150 rm	1.8	2.4	50.8	4,884	3	290	280	11.40	1,000
2 x 185 rm	2.0	2.6	56.0	5,793	3	335	315	14.06	500
2 x 240 rm	2.2	2.8	62.4	7,012	3	395	370	18.24	500
2 x 300 rm	2.4	2.9	68.5	8,291	3	460	415	22.80	500

AI/PVC/SWA/PVC 0.6/1 kV (NAYRGbY)

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



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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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	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	Insulation Min M.Ω.km	A	A	kA	m
3 x 25 rm	1.2	1.8	28.1	1,531	5	82	89	1.90	1,000
3 x 35 rm	1.2	1.8	30.5	1,786	4	100	107	2.66	1,000
3 x 50 sm	1.4	2.0	33.9	2,223	4	125	129	3.80	1,000
3 x 70 sm	1.4	2.0	37.1	2,658	4	155	156	5.32	1,000
3 x 95 sm	1.6	2.3	41.3	3,243	4	190	191	7.22	1,000
3 x 120 sm	1.6	2.4	44.9	4,063	3	220	220	9.12	1,000
3 x 150 sm	1.8	2.5	49.1	4,781	3	250	245	11.40	1,000
3 x 185 sm	2.0	2.7	53.3	5,543	3	285	275	14.06	500
3 x 240 sm	2.2	2.9	58.9	6,712	3	340	320	18.24	500
3 x 300 sm	2.4	3.1	63.7	7,811	3	390	365	22.80	500
3 x 400 sm	2.6	3.3	70.7	9,429	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	30.2	1,736	5	82	89	1.90	1,000
4 x 35 rm	1.2	1.9	33.2	2,051	4	100	107	2.66	1,000
4 x 50 sm	1.4	2.1	36.1	2,584	4	125	129	3.80	1,000
4 x 70 sm	1.4	2.2	39.5	3,092	4	155	156	5.32	1,000
4 x 95 sm	1.6	2.4	45.6	4,228	4	190	191	7.22	1,000
4 x 120 sm	1.6	2.5	49.4	4,921	3	220	220	9.12	500
4 x 150 sm	1.8	2.7	54.0	5,775	3	250	245	11.40	500
4 x 185 sm	2.0	2.9	59.6	6,848	3	285	275	14.06	500
4 x 240 sm	2.2	3.1	67.2	8,461	3	340	320	18.24	500
4 x 300 sm	2.4	3.3	73.0	9,797	3	390	365	22.80	500
4 x 400 sm	2.6	3.6	76.6	11,480	3	460	420	27.20	250