

Aluminium Conductor XLPE Insulated Galvanized Steel Tape Armour and PVC Sheathed

AI/XLPE/DSTA/PVC 0.6/1 kV (NA2XBY)



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 Cross-Linked Polyethylene (XLPE) 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 ST2 to IEC 60502-1, grade YM/2 to SPLN 41-2. 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	0.9	1.8	22.3	789	394	119	130	2.40	1,000
2 x 35 rm	0.9	1.8	24.6	952	339	145	157	3.36	1,000
2 x 50 rm	1.0	1.8	27.8	1,200	313	175	185	4.80	1,000
2 x 70 rm	1.1	1.9	31.6	1,527	293	220	229	6.72	1,000
2 x 95 rm	1.1	2.0	36.4	2,024	255	272	276	9.12	1,000
2 x 120 rm	1.2	2.2	40.3	2,647	247	317	320	11.52	1,000
2 x 150 rm	1.4	2.3	44.4	3,151	259	362	351	14.40	1,000
2 x 185 rm	1.6	2.5	49.6	3,860	264	420	400	17.76	1,000
2 x 240 rm	1.7	2.6	55.4	4,753	246	497	467	23.04	500
2 x 300 rm	1.8	2.8	61.3	5,752	234	577	532	28.80	500

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 Cross-Linked Polyethylene (XLPE) 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

Armour

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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	0.9	1.8	23.6	875	394	100	110	2.40	1,000
3 x 35 rm	0.9	1.8	26	1,063	339	123	132	3.36	1,000
3 x 50 sm	1.0	1.8	28.1	1,180	313	149	156	4.80	1,000
3 x 70 sm	1.1	2.0	32.1	1,551	293	189	193	6.72	1,000
3 x 95 sm	1.1	2.1	35.5	2,130	255	233	232	9.12	1,000
3 x 120 sm	1.2	2.3	38.7	2,550	247	271	268	11.52	1,000
3 x 150 sm	1.4	2.4	42.9	3,091	259	310	296	14.40	1,000
3 x 185 sm	1.6	2.6	46.9	3,656	264	359	336	17.76	1,000
3 x 240 sm	1.7	2.7	51.9	4,516	246	429	429	23.04	1,000
3 x 300 sm	1.8	2.9	56.3	5,349	234	496	447	28.80	500

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	Insulation mm	Outer Sheath mm				In Air A	In Ground A		
4 x 25 rm	0.9	1.8	25.6	1,006	394	100	110	2.40	1,000
4 x 35 rm	0.9	1.8	28.3	1,229	339	123	132	3.36	1,000
4 x 50 sm	1.0	1.9	29.9	1,405	313	149	156	4.80	1,000
4 x 70 sm	1.1	2.1	34.3	1,866	293	189	193	6.72	1,000
4 x 95 sm	1.1	2.3	39.0	2,616	255	233	232	9.12	1,000
4 x 120 sm	1.2	2.4	43.2	3,203	247	271	268	11.52	1,000
4 x 150 sm	1.4	2.6	47.8	3,862	259	310	296	14.40	1,000
4 x 185 sm	1.6	2.7	52.6	4,592	264	359	336	17.76	1,000
4 x 240 sm	1.7	2.9	60.2	5,880	246	429	429	23.04	500
4 x 300 sm	1.8	3.1	65.6	6,882	234	496	447	28.80	500