

**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**

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 ST2 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	0.9	1.8	23.9	996	394	119	130	2.40	1,000
2 x 35 rm	0.9	1.8	26.2	1,181	339	145	157	3.36	1,000
2 x 50 rm	1.0	1.8	29.4	1,461	313	175	185	4.80	1,000
2 x 70 rm	1.1	1.9	33.2	1,824	293	220	229	6.72	1,000
2 x 95 rm	1.1	2.0	37.6	2,302	255	272	276	9.12	1,000
2 x 120 rm	1.2	2.1	41.3	2,736	247	317	320	11.52	1,000
2 x 150 rm	1.4	2.3	45.6	3,269	259	362	351	14.40	1,000
2 x 185 rm	1.6	2.4	50.6	3,967	264	420	400	17.76	1,000
2 x 240 rm	1.7	2.6	56.6	4,898	246	497	467	23.04	500
2 x 300 rm	1.8	2.7	62.3	5,882	234	577	532	28.80	500

# Aluminium Conductor XLPE Insulated Galvanized Flat Steel Wires Armour and PVC Sheathed

Al/XLPE/SFA/PVC 0.6/1 kV (NA2XFGbY)



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

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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



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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	0.9	1.8	25.2	1,094	394	100	110	2.40	1,000
3 x 35 rm	0.9	1.8	27.6	1,306	339	123	132	3.36	1,000
3 x 50 sm	1.0	1.9	29.9	1,464	313	149	156	4.80	1,000
3 x 70 sm	1.1	2.0	33.5	1,839	293	189	193	6.72	1,000
3 x 95 sm	1.1	2.1	36.5	2,214	255	233	232	9.12	1,000
3 x 120 sm	1.2	2.2	39.5	2,623	247	271	268	11.52	1,000
3 x 150 sm	1.4	2.4	43.7	3,166	259	310	296	14.40	1,000
3 x 185 sm	1.6	2.5	47.5	3,717	264	359	336	17.76	1,000
3 x 240 sm	1.7	2.7	53.1	4,666	246	429	429	23.04	1,000
3 x 300 sm	1.8	2.9	57.5	5,511	234	496	447	28.80	500

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No. of cores and cross-section area	Nominal thickness		Overall Diameter (approx)	Weight of Cable (approx)	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	0.9	1.8	27.2	1,245	394	100	110	2.40	1,000
4 x 35 rm	0.9	1.8	29.9	1,495	339	123	132	3.36	1,000
4 x 50 sm	1.0	2.0	31.7	1,699	313	149	156	4.80	1,000
4 x 70 sm	1.1	2.1	35.9	2,186	293	189	193	6.72	1,000
4 x 95 sm	1.1	2.2	40.0	2,703	255	233	232	9.12	1,000
4 x 120 sm	1.2	2.4	44.4	3,317	247	271	268	11.52	1,000
4 x 150 sm	1.4	2.5	48.8	3,965	259	310	296	14.40	1,000
4 x 185 sm	1.6	2.7	53.8	4,729	264	359	336	17.76	1,000
4 x 240 sm	1.7	2.9	61.4	6,036	246	429	429	23.04	500
4 x 300 sm	1.8	3.1	66.8	7,051	234	496	447	28.80	500