

Aluminium Conductor XLPE Insulated Galvanized Round Steel Wires Armour and PVC Sheathed

Al/XLPE/SWA/PVC 0.6/1 kV (NA2XRGbY)



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 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 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, 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	0.9	1.8	25.5	1,267	394	119	130	2.40	1,000
2 x 35 rm	0.9	1.8	27.8	1,480	339	145	157	3.36	1,000
2 x 50 rm	1.0	1.9	32.0	2,022	313	175	185	4.80	1,000
2 x 70 rm	1.1	2.0	35.8	2,458	293	220	229	6.72	1,000
2 x 95 rm	1.1	2.1	40.2	3,021	255	272	276	9.12	1,000
2 x 120 rm	1.2	2.2	44.9	3,900	247	317	320	11.52	1,000
2 x 150 rm	1.4	2.3	49.0	4,527	259	362	351	14.40	1,000
2 x 185 rm	1.6	2.5	54.2	5,390	264	420	400	17.76	1,000
2 x 240 rm	1.7	2.7	60.2	6,485	246	497	467	23.04	500
2 x 300 rm	1.8	2.9	66.1	7,661	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

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 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, outdoor, indoor and in ducts

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	26.8	1,382	394	100	110	2.40	1,000
3 x 35 rm	0.9	1.8	29.2	1,623	339	123	132	3.36	1,000
3 x 50 sm	1.0	1.9	32.1	1,994	313	149	156	4.80	1,000
3 x 70 sm	1.1	2.1	36.1	2,473	293	189	193	6.72	1,000
3 x 95 sm	1.1	2.2	39.1	2,904	255	233	232	9.12	1,000
3 x 120 sm	1.2	2.3	43.1	3,726	247	271	268	11.52	1,000
3 x 150 sm	1.4	2.5	47.5	4,413	259	310	296	14.40	1,000
3 x 185 sm	1.6	2.6	51.5	5,095	264	359	336	17.76	500
3 x 240 sm	1.7	2.8	56.7	6,133	246	429	429	23.04	500
3 x 300 sm	1.8	3.0	61.1	7,096	234	496	447	28.80	500

Al/XLPE/SWA/PVC 0.6/1 kV (NA2XRGbY)



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, Brown, Black And Grey
- Light Blue, Brown, Black And Grey



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 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, outdoor, indoor and in ducts

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 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	28.8	1,557	394	100	110	2.40	1,000
4 x 35 rm	0.9	1.8	31.5	1,840	339	123	132	3.36	1,000
4 x 50 sm	1.0	2.0	33.9	2,267	313	149	156	4.80	1,000
4 x 70 sm	1.1	2.2	38.3	2,849	293	189	193	6.72	1,000
4 x 95 sm	1.1	2.3	42.4	3,443	255	233	232	9.12	1,000
4 x 120 sm	1.2	2.5	47.8	4,534	247	271	268	11.52	500
4 x 150 sm	1.4	2.6	52.2	5,304	259	310	296	14.40	500
4 x 185 sm	1.6	2.8	57.4	6,230	264	359	336	17.76	500
4 x 240 sm	1.7	3.0	64.9	7,749	246	429	429	23.04	500
4 x 300 sm	1.8	3.2	70.4	8,913	234	496	447	28.80	500