

Aluminium Conductor XLPE Insulated and PVC Sheathed

Al/XLPE/PVC 0.6/1 kV (NA2XY)



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 : - Red or
- Light Blue or
- Black or
- Other Colour



Inner Covering / filler

Extruded Polyvinyl Chloride (PVC), Black colour

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 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) 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	Outer Sheath				In Air		In Ground			
sq.mm	mm	mm	mm	kg/km	M.Ω.km	A	A	A	A	kA	m
1 x 16 rm	0.7	1.4	9.7	113	382	81	84	92	91	1.50	1,000
1 x 25 rm	0.9	1.4	10.8	150	394	109	112	118	117	2.40	1,000
1 x 35 rm	0.9	1.4	12.0	188	339	134	138	142	140	3.36	1,000
1 x 50 rm	1.0	1.4	13.6	240	313	165	170	168	166	4.80	1,000
1 x 70 rm	1.1	1.4	15.2	311	293	211	218	206	203	6.72	1,000
1 x 95 rm	1.1	1.6	17.7	426	255	260	269	245	242	9.12	1,000
1 x 120 rm	1.2	1.6	19.4	515	247	303	312	279	275	11.52	1,000
1 x 150 rm	1.4	1.6	21.4	628	259	353	364	313	309	14.40	1,000
1 x 185 rm	1.6	1.6	23.6	760	264	411	424	355	350	17.76	1,000
1 x 240 rm	1.7	1.8	26.8	983	246	494	510	412	406	23.04	1,000
1 x 300 rm	1.8	1.8	29.3	1,195	234	571	590	465	458	28.80	1,000
1 x 400 rm	2.0	2.0	33.1	1,525	228	688	711	536	528	38.40	1,000
1 x 500 rm	2.2	2.1	37.1	1,923	225	796	823	609	599	48.00	1,000
1 x 630 rm	2.4	2.3	43.5	2,473	223	932	963	692	680	59.22	1,000

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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

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 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	21.7	592	394	119	130	2.40	1,000
2 x 35 rm	0.9	1.8	24.0	735	339	145	157	3.36	1,000
2 x 50 rm	1.0	1.8	27.2	947	313	175	185	4.80	1,000
2 x 70 rm	1.1	1.8	30.8	1,224	293	220	229	6.72	1,000
2 x 95 rm	1.1	2.0	35.4	1,634	255	272	276	9.12	1,000
2 x 120 rm	1.2	2.1	39.0	1,976	247	317	320	11.52	1,000
2 x 150 rm	1.4	2.2	43.2	2,428	259	362	351	14.40	1,000
2 x 185 rm	1.6	2.3	48.2	3,029	264	420	400	17.76	1,000
2 x 240 rm	1.7	2.5	54.2	3,839	246	497	467	23.04	500
2 x 300 rm	1.8	2.7	60.1	4,742	234	577	532	28.80	500

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Al/XLPE/PVC 0.6/1 kV (NA2XY)



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

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 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
[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	23.0	670	394	100	110	2.40	1,000
3 x 35 rm	0.9	1.8	25.4	837	339	123	132	3.36	1,000
3 x 50 sm	1.0	1.8	27.5	913	313	149	156	4.80	1,000
3 x 70 sm	1.1	1.9	31.3	1,225	293	189	193	6.72	1,000
3 x 95 sm	1.1	2.0	34.3	1,539	255	233	232	9.12	1,000
3 x 120 sm	1.2	2.1	37.3	1,888	247	271	268	11.52	1,000
3 x 150 sm	1.4	2.3	41.7	2,371	259	310	296	14.40	1,000
3 x 185 sm	1.6	2.4	45.5	2,846	264	359	336	17.76	1,000
3 x 240 sm	1.7	2.6	50.7	3,637	246	429	429	23.04	1,000
3 x 300 sm	1.8	2.8	55.1	4,393	234	496	447	28.80	500

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Specification :
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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

Outer Sheath

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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)	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	25.0	784	394	100	110	2.40	1,000
4 x 35 rm	0.9	1.8	27.7	986	339	123	132	3.36	1,000
4 x 50 sm	1.0	1.9	29.3	1,115	313	149	156	4.80	1,000
4 x 70 sm	1.1	2.0	33.5	1,517	293	189	193	6.72	1,000
4 x 95 sm	1.1	2.1	37.6	1,949	255	233	232	9.12	1,000
4 x 120 sm	1.2	2.3	42.0	2,477	247	271	268	11.52	1,000
4 x 150 sm	1.4	2.4	46.4	3,034	259	310	296	14.40	1,000
4 x 185 sm	1.6	2.6	51.4	3,699	264	359	336	17.76	1,000
4 x 240 sm	1.7	2.8	59.0	4,851	246	429	429	23.04	500
4 x 300 sm	1.8	3.0	64.4	5,757	234	496	447	28.80	500