



Code

NA2X2Y AL/XLPE/PVC/HDPE

Voltage Rating

0.6 / 1 kV AC

Standards

**IEC 60502-1 / SI 1516.1 / VDE 0276 - 603
IEC 60228**

Conductor

Conductor

Stranded Aluminum Conductor (Class 2)

Insulation

XLPE (Cross-linked Polyethylene)

Filler

PVC Filler

Sheath

**HDPE (High Density Polyethylene) - UV Resistance
Waterproof ACC. AD8**

Technical Data

Max. Operating Temperature	:	90°C
Short Circuit Temperature	:	250°C (max.5 sec)
Bending Radius	:	12D (D : Overall Diameter)
Test Voltage	:	3,5 kV

Application:

For installation indoors and outdoors, in cable ducts, underground , in power or switching stations,local energy distributions, industrial plants, where there is no risk of mechanical damage.Suitable for comparatively high maximum permissible conductor temperature.

Nominal Cross Section (mm ²)	Overall Diameter (mm)	Net Weight (kg/km)	Delivery Length (m)	Resistance at 20°C (ohm/km)	Current Carrying Capacity	
					In Ground at 20°C	In Air at 30°C
1x10	7,9	72,1	1000	3,08	-	-
1x16	8,9	96,0	1000	1,91	-	-
1x25	10,5	133,4	1000	1,20	114	106
1x35	11,5	171,0	1000	0,868	136	130
1x50	12,8	212,1	1000	0,641	162	161
1x70	15,0	283,7	1000	0,443	199	204
1x95	16,6	375,7	1000	0,320	238	252
1x120	18,9	456,0	1000	0,253	272	295
1x150	20,9	568,6	1000	0,206	305	339
1x185	23,2	711,0	1000	0,164	347	395
1x240	25,7	887,9	1000	0,125	404	472
1x300	28,5	1123,1	1000	0,100	457	547
1x400	33,4	1462,9	500	0,0778	525	643
1x500	37,3	1820,6	500	0,0605	601	754
1x630	42,0	2277,0	500	0,0469	687	882

Nominal Cross Section (mm ²)	Overall Diameter (mm)	Net Weight (kg/km)	Delivery Length (m)	Resistance at 20°C (ohm/km)	Current Carrying Capacity	
					In Ground at 20°C	In Air at 30°C
2x10	14,8	273,7	1000	3,08	-	-
2x16	16,8	364,7	1000	1,91	-	-
2x25	19,9	524,7	1000	1,20	112	102
2x35	22,2	664,7	1000	0,868	135	126
2x50	25,1	852,7	1000	0,641	158	149
2x70	29,8	1184,8	1000	0,443	196	191
2x95	33,0	1505,9	1000	0,320	234	234
2x120	37,9	1881,8	1000	0,253	268	273
2x150	41,8	2370,8	1000	0,206	300	311
2x185	46,9	2998,8	500	0,164	342	360
2x240	52,0	3700,0	500	0,125	398	427

Nominal Cross Section (mm ²)	Overall Diameter (mm)	Net Weight (kg/km)	Delivery Length (m)	Resistance at 20°C (ohm/km)	Current Carrying Capacity	
					In Ground at 20°C	In Air at 30°C
3x10	15,6	309,0	1000	3,08	-	-
3x16	17,7	420,5	1000	1,91	-	-
3x25	21,1	612,3	1000	1,20	112	102
3x35	23,6	746,3	1000	0,868	135	126
3x50	26,8	930,7	1000	0,641	158	149
3x70	31,9	1319,1	1000	0,443	196	191
3x95	35,3	1693,9	1000	0,320	234	234
3x120	40,6	2118,0	1000	0,253	268	273
3x150	44,9	2637,2	1000	0,206	300	311
3x185	50,3	3256,0	500	0,164	342	360
3x240	55,8	3909,3	500	0,125	398	427
3x300	65,2	5021,6	500	0,100	457	507

Nominal Cross Section (mm ²)	Overall Diameter (mm)	Net Weight (kg/km)	Delivery Length (m)	Resistance at 20°C (ohm/km)	Current Carrying Capacity	
					In Ground at 20°C	In Air at 30°C
3x16+10	18,7	467,0	1000	1,91 - 3,08	-	-
3x25+16	22,2	634,3	1000	1,20 - 1,91	112	102
3x35+16	24,3	797,2	1000	0,868 - 1,91	135	126
3x50+25	27,9	1015,0	1000	0,641 - 1,20	158	149
3x70+35	32,9	1394,6	1000	0,443 - 0,868	196	191
3x95+50	36,8	1813,0	1000	0,320 - 0,641	234	234
3x120+70	42,6	2253,5	500	0,253 - 0,443	268	273
3x150+70	46,2	2782,8	500	0,206 - 0,443	300	311
3x185+95	51,7	3575,8	500	0,164 - 0,320	342	360
3x240+120	57,3	4380,0	500	0,125 - 0,253	398	427
3x300+150	66,5	5439,6	250	0,100 - 0,206	457	507
3x400+185	74,7	7222,7	250	0,0778 - 0,164	529	600

Nominal Cross Section (mm ²)	Overall Diameter (mm)	Net Weight (kg/km)	Delivery Length (m)	Resistance at 20°C (ohm/km)	Current Carrying Capacity	
					In Ground at 20°C	In Air at 30°C
4x10	17,0	357,7	1000	3,08	-	-
4x16	19,3	482,1	1000	1,91	-	-
4x25	23,1	712,9	1000	1,20	112	102
4x35	25,8	897,6	1000	0,868	135	126
4x50	29,4	1122,4	1000	0,641	158	149
4x70	35,2	1579,3	500	0,443	196	191
4x95	39,1	2040,7	500	0,320	234	234
4x120	45,0	2538,6	500	0,253	268	273
4x150	49,8	3184,7	250	0,206	300	311
4x185	55,8	4021,1	250	0,164	342	360
4x240	61,9	4827,4	250	0,125	398	427
4x300	72,0	6247,5	250	0,100	457	507
4x400	81,1	8215,4	250	0,0778	529	600

Nominal Cross Section (mm ²)	Overall Diameter (mm)	Net Weight (kg/km)	Delivery Length (m)	Resistance at 20°C (ohm/km)	Current Carrying Capacity	
					In Ground at 20°C	In Air at 30°C
5x10	19,4	528,3	1000	3,08	-	-
5x16	22,0	684,9	1000	1,91	-	-
5x25	26,3	947,8	1000	1,20	112	102
5x35	29,2	1223,5	1000	0,868	135	126
5x50	33,3	1488,9	1000	0,641	158	149
5x70	39,3	1976,3	500	0,443	196	191
5x95	43,7	2612,2	500	0,320	234	234
5x120	49,8	3201,3	500	0,253	268	273
5x150	55,0	4084,7	250	0,206	300	311
5x185	61,7	5017,4	250	0,164	342	360
5x240	68,6	6161,8	250	0,125	398	427
5x300	79,7	7840,3	250	0,100	457	507
5x400	89,9	10261,9	250	0,0778	529	600

Nominal Cross Section (mm ²)	Overall Diameter (mm)	Net Weight (kg/km)	Delivery Length (m)	Resistance at 20°C (ohm/km)	Current Carrying Capacity	
					In Ground at 20°C	In Air at 30°C
4x16+10	21,5	611,3	1000	1,91 - 3,08	-	-
4x25+16	25,4	858,1	1000	1,20 - 1,91	112	102
4x35+16	27,7	1060,1	1000	0,868 - 1,91	135	126
4x50+25	31,9	1377,1	1000	0,641 - 1,20	158	149
4x70+35	37,3	1876,7	1000	0,443 - 0,868	196	191
4x95+50	41,6	2417,7	1000	0,320 - 0,641	234	234
4x120+70	48,1	3079,3	500	0,253 - 0,443	268	273
4x150+70	52,3	3720,2	500	0,206 - 0,443	300	311
4x185+95	58,6	4739,1	500	0,164 - 0,320	342	360
4x240+120	65,0	5872,4	500	0,125 - 0,253	398	427
4x300+150	75,4	7450,7	250	0,100 - 0,206	457	507
4x400+185	84,8	9565,2	250	0,0778 - 0,164	529	600
4x16+2,5	19,3	523,9	1000	1,91 - 7,41	-	-

Note :

Current carrying capacities are valid at 30°C ambient temperature.