



Code

NA2XBH , YAXZ4Z1 AL/XLPE/STA/HFFR

NA2XB(a)H , YAXZ4(a)Z1 AL/XLPE/ATA/HFFR

Voltage Rating

0.6/1 kV

Standards

TS IEC 60502-1 , VDE 0276

IEC 60228

EN 61034

EN 50267

EN 60332-3

Conductor

Smoke Density

Halogen Free

Flame Retardant (Cat C)

Reaction to Fire Classification (CPR)

EN 60332-1-2

Flame Retardant

Conductor

Stranded Aluminum Conductor (Class 2)

Insulation

XLPE (Cross-linked Polyethylene)

Filler

Halogen Free Filler

Armour

Double Steel Tape (Double Aluminium Tape for one core cables)

Sheath

Halogen Free Sheath

Technical Data

Max. Operating Temperature	:	90°C
Short Circuit Temperature	:	250°C (max.5 sec)
Bending Radius	:	15D (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 distribution industrial plants, where there is no risk of mechanical damage.

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
1x50*	16,7	396,7	1000	0,641	164	169
1x70*	18,8	500,1	1000	0,443	201	214
1x95*	20,3	609,6	1000	0,320	240	263
1x120*	21,8	713,2	1000	0,253	272	308
1x150*	24,2	854,3	1000	0,206	303	349
1x185*	26,4	1019,9	1000	0,164	340	401
1x240*	28,9	1235,6	500	0,125	387	469
1x300*	32,1	1547,1	500	0,100	430	535

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	16,2	433,2	1000	3,08	-	-
2x16	18,2	543,8	1000	1,91	-	-
2x25	21,3	731,5	1000	1,20	113	104
2x35	23,4	889,2	1000	0,868	136	128
2x50	26,2	1092,3	1000	0,641	159	152
2x70	30,6	1453,3	500	0,443	197	194
2x95	34,3	1867,3	500	0,320	236	239
2x120	38,2	2501,0	500	0,253	269	278
2x150	43,8	3165,8	500	0,206	302	316
2x185	48,4	3816,4	250	0,164	342	365
2x240	53,5	4634,6	250	0,125	397	430

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	17,0	477,9	1000	3,08	-	-
3x16	19,2	605,9	1000	1,91	-	-
3x25	22,5	818,5	1000	1,20	113	104
3x35	24,8	1004,7	1000	0,868	136	128
3x50	27,9	1234,8	1000	0,641	159	152
3x70	33,1	1700,7	500	0,443	197	194
3x95	37,3	2407,9	500	0,320	236	239
3x120	40,8	2862,4	500	0,253	269	278
3x150	46,8	3605,2	250	0,206	302	316
3x185	51,8	4356,9	250	0,164	342	365
3x240	57,7	5372,7	250	0,125	397	430
3x300	63,7	6576,7	250	0,100	454	506

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	20,1	668,3	1000	1,91 - 3,08	-	-
3x25+16	23,6	897,8	1000	1,20 - 1,91	113	104
3x35+16	25,4	1063,3	1000	0,868 - 1,91	136	128
3x50+25	29,1	1354,5	1000	0,641 - 1,20	159	152
3x70+35	34,3	1840,2	500	0,443 - 0,868	197	194
3x95+50	38,8	2583,8	500	0,320 - 0,641	236	239
3x120+70	43,5	3220,9	500	0,253 - 0,443	269	278
3x150+70	48,2	3800,5	500	0,206 - 0,443	302	316
3x185+95	53,8	4716,1	250	0,164 - 0,320	342	365
3x240+120	59,4	5725,1	250	0,125 - 0,253	397	430
3x300+150	66,0	7050,0	250	0,100 - 0,206	454	506
3x400+185	74,3	8980,4	250	0,0778 - 0,164	520	575

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	18,4	545,1	1000	3,08	-	-
4x16	20,7	700,8	1000	1,91	-	-
4x25	24,5	958,1	1000	1,20	113	104
4x35	27,1	1187,7	1000	0,868	136	128
4x50	30,7	1483,6	1000	0,641	159	152
4x70	37,2	2308,4	500	0,443	197	194
4x95	41,1	2869,2	500	0,320	236	239
4x120	45,5	3481,0	500	0,253	269	278
4x150	51,7	4315,6	250	0,206	302	316
4x185	57,7	5337,0	250	0,164	342	365
4x240	63,8	6506,2	250	0,125	397	430
4x300	70,6	7993,6	250	0,100	454	506
4x400	80,4	10833,7	250	0,0778	520	575

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	19,8	631,6	1000	3,08	-	-
5x16	22,4	819,2	1000	1,91	-	-
5x25	26,7	1129,2	1000	1,20	113	104
5x35	29,7	1424,6	1000	0,868	136	128
5x50	34,1	1841,9	500	0,641	159	152
5x70	40,8	2750,1	500	0,443	197	194
5x95	45,6	3489,2	500	0,320	236	239
5x120	50,1	4196,8	250	0,253	269	278
5x150	57,4	5279,3	250	0,206	302	316
5x185	63,6	6446,6	250	0,164	342	365
5x240	70,5	7873,1	250	0,125	397	430
5x300	79,1	10361,3	250	0,100	454	506
5x400	88,8	13087,1	250	0,0778	520	575

Note 1:

* For YAXZ4(a)Z1 , NA2XB(a)H cables

Note 2:

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