

**Code**

NA2XCY UV , YAXCV UV AL/XLPE/SC/PVC

Voltage Rating

0.6/1 kV

Standards

**TS IEC 60502-1 , SI 1516.1 , VDE 0276
IEC 60228**

Conductor

Reaction to Fire Classification (CPR)

EN 60332-1-2

Flame Retardant

Conductor

Stranded Aluminum Conductor (Class 2)

Insulation

XLPE (Cross-linked Polyethylene)

Filler

PVC Filler

Armour

Copper Wire and Copper Tape

Sheath

PVC (Polyvinyl Chloride) - UV Resistance

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.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
1x10/10	11,8	275,5	1000	3,08 - 1,83	-	-
1x16/10	12,8	312,6	1000	1,91 - 1,83	-	-
1X16/16	13,6	371,0	1000	1,91 - 1,15	-	-
1x25/16	15,2	431,9	1000	1,20 - 1,15	116	112
1x35/16	16,2	484,1	1000	0,868 - 1,15	138	137
1x50/25	17,7	608,0	1000	0,641 - 0,727	164	169
1x70/35	19,8	805,8	1000	0,443 - 0,524	201	214
1x95/50	21,6	1015,7	1000	0,320 - 0,387	240	263
1x120/70	25,6	1460,5	1000	0,253 - 0,268	272	308
1x150/70	28,1	1629,2	1000	0,206 - 0,268	303	349
1x185/95	31,0	2064,3	1000	0,164 - 0,193	340	401
1x240/120	33,9	2533,7	500	0,125 - 0,153	387	469
1X300/150	40,4	3480,0	500	0,100 - 0,124	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
2x10/10	16,9	483,9	1000	3,08 - 1,83	-	-
2x16/10	18,9	592,0	1000	1,91 - 1,83	-	-
2x25/16	22,8	840,8	1000	1,20 - 1,15	113	104
2x35/16	24,9	1001,5	1000	0,868 - 1,15	136	128
2x50/25	28,0	1289,1	500	0,641 - 0,727	159	152
2x70/35	32,3	1764,1	500	0,443 - 0,524	197	194
2x95/50	36,3	2277,4	500	0,320 - 0,387	236	239
2x120/70	40,3	2872,2	500	0,253 - 0,268	269	278
2x150/70	45,7	3505,1	500	0,206 - 0,268	302	316
2x185/95	50,9	4421,6	500	0,164 - 0,193	342	365
2x240/120	56,8	5519,7	500	0,125 - 0,153	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
3x10/10	17,7	523,7	1000	3,08 - 1,83	-	-
3x16/10	19,8	644,7	1000	1,91 - 1,83	-	-
3x25/16	24,0	920,5	1000	1,20 - 1,15	113	104
3x35/16	26,3	1112,3	1000	0,868 - 1,15	136	128
3x50/25	29,6	1435,0	500	0,641 - 0,727	159	152
3x70/35	34,9	2006,7	500	0,443 - 0,524	197	194
3x95/50	38,7	2551,4	500	0,320 - 0,387	236	239
3x120/70	42,8	3197,0	500	0,253 - 0,268	269	278
3x150/70	48,7	3923,2	250	0,206 - 0,268	302	316
3x185/95	54,2	4924,6	250	0,164 - 0,193	342	365
3x240/120	60,6	6172,5	250	0,125 - 0,153	397	430
3x300/150	67,0	7655,7	250	0,100 - 0,124	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+10/10	20,8	704,2	500	1,91 - 3,08 - 1,83	-	-
3x25+16/16	25,0	1003,7	500	1,20 - 1,91 - 1,15	-	-
3x35+16/16	27,0	1173,1	500	0,868 - 1,91 - 1,15	113	104
3x50+25/25	30,8	1541,7	500	0,641 - 1,20 - 0,727	136	128
3x70+35/35	36,0	2136,0	500	0,443 - 0,868 - 0,524	159	152
3x95+50/50	40,1	2718,4	500	0,320 - 0,641 - 0,387	197	194
3x120+70/70	45,5	3541,5	250	0,253 - 0,443 - 0,268	236	239
3x150+70/70	50,1	4111,0	250	0,206 - 0,443 - 0,268	269	278
3x185+95/95	56,2	5276,3	250	0,164 - 0,320 - 0,193	302	316
3x240+120/120	62,3	6500,2	250	0,125 - 0,253 - 0,153	342	365
3x300+150/150	69,3	8102,8	250	0,100 - 0,206 - 0,124	397	430
3x400+185/185	78,3	10413,1	250	0,0778 - 0,164 - 0,0991	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
4x10/10	19,1	598,2	1000	3,08 - 1,83	-	-
4x16/16	22,2	813,4	1000	1,91 - 1,15	-	-
4x25/16	26,0	1061,7	1000	1,20 - 1,15	113	104
4x35/16	28,7	1306,7	1000	0,868 - 1,15	136	128
4x50/25	32,8	1733,5	500	0,641 - 0,727	159	152
4x70/35	38,2	2366,0	500	0,443 - 0,524	197	194
4x95/50	42,5	3014,7	500	0,320 - 0,387	236	239
4x120/70	47,4	3850,0	250	0,253 - 0,268	269	278
4x150/70	53,6	4653,5	250	0,206 - 0,268	302	316
4x185/95	60,2	5926,7	250	0,164 - 0,193	342	365
4x240/120	66,7	7314,1	250	0,125 - 0,153	397	430
4x300/150	73,9	9110,6	250	0,100 - 0,124	454	506
4x400/185	83,7	11750,1	250	0,0778 - 0,0991	520	575
4x150/50	53,1	4438,9	250	0,206 - 0,387	302	316
4x120/35	46,6	3532,0	250	0,253 - 0,524	269	278
4x240/70	65,8	6805,8	250	0,125 - 0,268	397	430
4x185/70	59,6	5665,1	250	0,164 - 0,268	342	365

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
5x10/10	20,5	684,1	1000	3,08 - 1,83	-	-
5x16/16	23,9	937,8	1000	1,91 - 1,15	-	-
5x25/16	28,3	1263,7	1000	1,20 - 1,15	113	104
5x35/16	31,3	1571,5	500	0,868 - 1,15	136	128
5x50/25	35,9	2073,8	500	0,641 - 0,727	159	152
5x70/35	41,9	2845,7	500	0,443 - 0,868	197	194
5x95/50	47,0	3707,0	250	0,320 - 0,387	236	239
5x120/70	52,0	4616,9	250	0,253 - 0,268	269	278
5x150/70	59,3	5733,0	250	0,206 - 0,268	302	316
5x185/95	66,1	7171,3	250	0,164 - 0,193	342	365
5x240/120	73,4	8877,2	250	0,125 - 0,153	397	430
5x300/150	81,7	11177,2	250	0,100 - 0,124	454	506
5x400/185	92,2	14327,6	250	0,0778 - 0,0991	520	575

Note :

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