RIZZANI CAVI

Technical Data Sheet / scheda tecnica

Code
RZC-NA2XRH

Voltage Rating
0.6/1 kV

Standard
TS IEC 60502-1 , VDE 0276
IEC 60228 — Conductor
EN 61034 — Smoke Density
EN 50267 — Halogen Free
EN 60332-3 — 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
Round Steel Wire (Aluminum Wire 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. Suitable for comparatively high maximum permissible conductor temperature.

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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 the Ground at 20°C	In the Air at 30°C
1x10*	12,3	212,0	1000	3,08	-	-
1x16*	13,3	249,2	1000	1,91	-	-
1x25*	14,9	311,7	1000	1,20	116	112
1x35*	16,8	398,3	1000	0,868	138	137
1x50*	18,2	467,7	1000	0,641	164	169
1x70*	20,3	575,0	1000	0,443	201	214
1x95*	22,5	726,6	1000	0,320	240	263
1x120*	24,0	833,4	1000	0,253	272	308
1x150*	26,4	985,9	1000	0,206	303	349
1x185*	28,7	1180,1	1000	0,164	340	401
1x240*	31,3	1412,1	500	0,125	387	469
1x300*	35,3	1817,8	500	0,100	430	535
1x400*	38,9	2243,4	500	0,0778	479	615
1x500*	42,6	2677,1	250	0,0605	531	700
1x630*	48,6	3449,2	250	0,0469	587	790
1x800*	53,0	4173,5	250	0,0367	-	-
1x1000*	57,9	4978,8	250	0,0291	-	-

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 the Ground at 20°C	In the Air at 30°C
2x10	18,3	631,7	1000	3,08	-	-
2x16	20,3	772,4	1000	1,91	-	-
2x25	24,1	1134,1	1000	1,20	113	104
2x35	26,2	1349,2	1000	0,868	136	128
2x50	29,2	1618,5	1000	0,641	159	152
2x70	34,5	2237,1	500	0,443	197	194
2x95	38,1	2722,6	500	0,320	236	239
2x120	41,4	3238,9	500	0,253	269	278
2x150	48,1	4248,4	500	0,206	302	316
2x185	52,7	5132,1	250	0,164	342	365
2x240	57,8	6027,9	250	0,125	397	430
2x300	63,7	7072,4	250	0,100	454	506
2x400	70,9	8487,5	250	0,0778	520	575

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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 the Ground at 20°C	In the Air at 30°C
3x10	19,1	689,9	1000	3,08	-	-
3x16	21,9	922,2	1000	1,91	-	-
3x25	25,3	1243,6	1000	1,20	113	104
3x35	27,7	1489,6	1000	0,868	136	128
3x50	30,9	1783,9	1000	0,641	159	152
3x70	37	2503,0	1000	0,443	197	194
3x95	40,5	3048,6	500	0,320	236	239
3x120	45,1	3980,5	500	0,253	269	278
3x150	51,1	4833,0	500	0,206	302	316
3x185	56,1	5715,0	250	0,164	342	365
3x240	62,0	6767,0	250	0,125	397	430
3x300	68,0	7937,6	250	0,100	454	506
3x400	77,6	10909,6	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 the Ground at 20°C	In the Air at 30°C
3x16+10	22,9	1043,7	1000	1,91 - 3,08	-	-
3x25+16	26,4	1322,9	1000	1,20 - 1,91	113	104
3x35+16	28,4	1560,7	1000	0,868 - 1,91	136	128
3x50+25	33,0	2117,2	1000	0,641 - 1,20	159	152
3x70+35	38,1	2696,6	500	0,443 - 0,868	197	194
3x95+50	42,0	3303,2	500	0,320 - 0,641	236	239
3x120+70	47,8	4387,6	500	0,253 - 0,443	269	278
3x150+70	52,4	5108,6	250	0,206 - 0,443	302	316
3x185+95	57,6	6056,7	250	0,164 - 0,320	342	365
3x240+120	63,7	7067,8	250	0,125 - 0,253	397	430
3x300+150	71,6	9575,5	250	0,100 - 0,206	454	506
3x400+185	80,0	11444,7	250	0,0778 - 0,164	520	575

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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 the Ground at 20°C	In the Air at 30°C
4x10	20,5	780,2	1000	3,08	-	-
4x16	23,5	1080,5	1000	1,91	-	-
4x25	27,4	1411,4	1000	1,20	113	104
4x35	30,1	1711,7	1000	0,868	136	128
4x50	35,0	2354,2	1000	0,641	159	152
4x70	40,4	2970,8	500	0,443	197	194
4x95	45,4	3919,4	500	0,320	236	239
4x120	49,8	4773,5	500	0,253	269	278
4x150	56,0	5706,3	250	0,206	302	316
4x185	62,0	6762,2	250	0,164	342	365
4x240	68,1	7864,9	250	0,125	397	430
4x300	76,2	10530,0	250	0,100	454	506
4x400	85,4	12703,1	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 the Ground at 20°C	In the Air at 30°C
5x10	22,6	992,6	1000	3,08	-	-
5x16	25,2	1230,5	1000	1,91	-	-
5x25	29,7	1640,1	1000	1,20	113	104
5x35	33,5	2171,7	1000	0,868	136	128
5x50	38,0	2731,8	500	0,641	159	152
5x70	45,1	3859,5	500	0,443	197	194
5x95	49,9	4761,8	500	0,320	236	239
5x120	54,3	5666,5	250	0,253	269	278
5x150	61,7	6837,1	250	0,206	302	316
5x185	67,9	7972,0	250	0,164	342	365
5x240	76,2	10578,5	250	0,125	397	430
5x300	84,1	1261,4	250	0,100	454	506
5x400	93,8	15224,3	250	0,0778	520	575

Note 1: * For YAXZ2(a)Z1 , NA2XR(a)H cables
Note 2: Current carrying capacities are valid at 30°C ambient temperature.