RIZZANI CAVI

Technical Data Sheet / scheda tecnica

Code
RZC-NA2XCH

Voltage Rating
0.6/1 kV

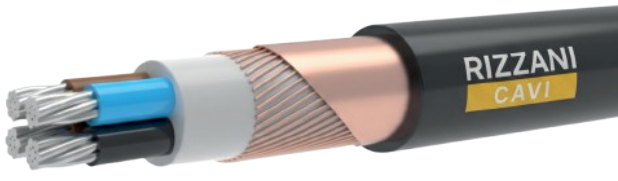
Standard
TS IEC 60502-1, VDE 0276

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
Copper Wire and Copper Tape

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 :
Used in energy networks in refineries, mines, hotels, schools, tunnels, high constructions, hospitals, power plants, data processing centers, business centers where there is a risk of fire.

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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
1x10/10	11,8	263,6	1000	3,08 - 1,83	-	-
1x16/10	12,8	299,4	1000	1,91 - 1,83	-	-
1x16/16	13,6	357,1	1000	1,91 - 1,15	-	-
1x25/16	15,2	415,9	1000	1,20 - 1,15	116	112
1x35/16	16,2	466,8	1000	0,868 - 1,15	138	137
1x50/25	17,7	588,8	1000	0,641 - 0,727	164	169
1x70/35	19,8	784,0	1000	0,443 - 0,524	201	214
1x95/50	21,6	991,7	1000	0,320 - 0,387	240	263
1x120/70	23,6	1293,5	1000	0,253 - 0,268	272	308
1x150/70	26,0	1433,4	1000	0,206 - 0,268	303	349
1x185/95	28,7	1857,9	1000	0,164 - 0,193	340	401
1x240/120	31,5	2305,4	500	0,125 - 0,153	387	469
1x300/150	35,4	2883,4	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 the Ground at 20°C	In the Air at 30°C
2x10/10	16,9	461,5	1000	3,08 - 1,83	-	-
2x16/10	18,9	565,3	1000	1,91 -1,83	-	-
2x25/16	22,8	806,2	1000	1,20 - 1,15	113	104
2x35/16	24,9	961,4	1000	0,868 - 1,15	136	128
2x50/25	27,9	1240,5	500	0,641 - 0,727	159	152
2x70/35	32,3	1700,1	500	0,443 - 0,524	197	194
2x95/50	36,3	2198,0	500	0,320 - 0,387	236	239
2x120/70	40,2	2777,6	500	0,253 - 0,268	269	278
2x150/70	45,7	3383,9	500	0,206 - 0,268	302	316
2x185/95	50,9	4274,5	500	0,164 - 0,193	342	365
2x240/120	56,8	5339,0	500	0,125 - 0,153	397	430

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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
3x10/10	17,7	501,1	1000	3,08 - 1,83	-	-
3x16/10	19,9	618,1	1000	1,91 - 1,83	-	-
3x25/16	24,0	886,2	1000	1,20 - 1,15	113	104
3x35/16	26,3	1072,4	1000	0,868 - 1,15	136	128
3x50/25	29,6	1386,4	500	0,641 - 0,727	159	152
3x70/35	34,9	1940,3	500	0,443 - 0,524	197	194
3x95/50	38,7	2472,2	500	0,320 - 0,387	236	239
3x120/70	42,8	3103,8	500	0,253 - 0,268	269	278
3x150/70	48,7	3803,1	250	0,206 - 0,268	302	316
3x185/95	54,2	4780,1	500	0,164 - 0,193	342	365
3x240/120	60,6	5994,1	250	0,125 - 0,153	397	430
3x300/150	67,0	7441,1	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 the Ground at 20°C	In the Air at 30°C
3x16+10/10	20,8	676,3	500	1,91 - 3,08 - 1,83	-	-
3x25+16/16	25,1	967,9	500	1,20 - 1,91 - 1,15	113	104
3x35+16/16	27,0	1133,0	500	0,868 - 1,91 - 1,15	136	128
3x50+25/25	30,8	1491,6	500	0,641 - 1,20 - 0,727	159	152
3x70+35/35	36,0	2068,9	500	0,443 - 0,868 - 0,524	197	194
3x95+50/50	40,1	2638,0	500	0,320 - 0,641 - 0,387	236	239
3x120+70/70	45,5	3440,0	250	0,253 - 0,443 - 0,268	269	278
3x150+70/70	50,1	3991,4	250	0,206 - 0,443 -0,268	302	316
3x185+95/95	55,8	5061,8	250	0,164 - 0,320 - 0,193	342	365
3x240+120/120	62,3	6322,7	250	0,125 - 0,253 - 0,153	397	430
3x300+150/150	69,3	7886,9	250	0,100 - 0,206 - 0,124	454	506
3x400+185/185	78,3	10142,2	250	0,0778 - 0,164 - 0,0991	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
4x10/10	19,1	573,4	1000	3,08 - 1,83	-	-
4x16/16	22,2	783,5	1000	1,91 - 1,15	-	-
4x25/16	26,0	1024,2	1000	1,20 - 1,15	113	104
4x35/16	28,7	1262,2	1000	0,868 - 1,15	136	128
4x50/25	32,8	1676,0	500	0,641 - 0,727	159	152
4x70/35	38,2	2290,7	500	0,443 - 0,524	197	194
4x95/50	42,5	2924,9	500	0,320 - 0,387	236	239
4x120/70	47,4	3739,0	250	0,253 - 0,268	269	278
4x150/70	53,6	4515,8	250	0,206 - 0,268	302	316
4x185/95	60,2	5756,0	250	0,164 - 0,193	342	365
4x240/120	66,7	7109,8	250	0,125 - 0,153	397	430
4x300/150	73,9	8863,4	250	0,100 - 0,124	454	506
4x400/185	83,7	11438,9	250	0,0778 - 0,0991	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
5x10/10	20,5	657,1	1000	3,08 - 1,83	-	-
5x16/16	23,9	905,1	1000	1,91 - 1,15	-	-
5x25/16	28,3	1220,8	1000	1,20 - 1,15	113	104
5x35/16	31,3	1520,1	500	0,868 - 1,15	136	128
5x50/25	35,9	2008,0	500	0,641 - 0,727	159	152
5x70/35	41,9	2758,5	500	0,443 - 0,524	197	194
5x95/50	47,0	3598,6	250	0,320 - 0,387	236	239
5x120/70	52,0	4488,2	250	0,253 - 0,268	269	278
5x150/70	59,3	5566,8	250	0,206 - 0,268	302	316
5x185/95	66,1	6971,3	250	0,164 - 0,193	342	365
5x240/120	73,4	8636,3	250	0,125 - 0,153	397	430
5x300/150	81,7	10879,2	250	0,100 - 0,124	454	506
5x400/185	92,1	13958,0	250	0,0778 - 0,0991	520	575

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