RIZZANI CAVI

Technical Data Sheet / scheda tecnica

Code
RZC-YAVVUV-NAYYUV

Voltage Rating
0.6/1 kV

Standard
TS IEC 60502-1, VDE 0276
IEC 60228

Conductor

Reaction to Fire Classification (CPR)
EN 60332-1-2

Flame Retardant

Conductor
Solid Aluminum Conductor (Class 1)
Stranded Aluminum Conductor (Class 2)

Insulation
PVC (Polyvinyl Chloride)

Filler
PVC Filler

Armour
-

Sheath
PVC (Polyvinyl Chloride) – UV Resistance

Technical Data

Max. Operating Temperature	70°C
Short Circuit Temperature	160°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 distribution industrial plants, where there is no risk of mechanical damage.

RIZZANI
CAVI

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	8,5	107,8	1000	3,08	-	-
1x16	9,5	136,9	1000	1,91	-	-
1x25	11,1	193,3	1000	1,20	106	87
1x35	12,1	235,8	1000	0,868	127	107
1x50	13,7	280,3	1000	0,641	151	131
1x70	15,7	355,7	1000	0,443	185	166
1x95	17,7	466,1	1000	0,320	222	205
1x120	19,2	578,2	1000	0,253	253	239
1x150	21,7	700,0	1000	0,206	284	273
1x185	24,0	871,9	1000	0,164	322	317
1x240	26,8	1087,6	1000	0,125	375	378
1x300	29,8	1415,2	1000	0,100	425	437
1x400	33,4	1797,3	1000	0,0778	487	513
1x500	37,1	2205,0	500	0,0605	558	600
1x630	41,0	2661,7	500	0,0469	635	701
1x800	45,1	3295,1	250	0,0367	716	809

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
2x4 re *	13,0	252,1	1000	7,22	-	-
2x6 re *	14,0	294,3	1000	4,81	-	-
2x10	16,0	348,2	1000	3,08	-	-
2x16	18,0	449,1	1000	1,91	-	-
2x25	21,1	647,1	1000	1,20	102	82
2x35	23,4	806,4	1000	0,868	123	100
2x50	26,6	936,5	1000	0,641	144	119
2x70	31,1	1337,0	1000	0,443	179	152
2x95	35,1	1715,4	1000	0,320	215	186
2x120	38,4	2070,5	1000	0,253	245	216
2x150	43,6	2615,4	1000	0,206	275	246
2x185	48,6	3236,3	1000	0,164	313	285
2x240	54,1	4042,7	500	0,125	364	338
2x300	60,1	5093,1	500	0,100	419	400
2x400	67,7	6481,3	500	0,0778	484	472

RIZZANI
CAVI

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	16,9	405,8	1000	3,08	-	-
3x16	19,0	519,0	1000	1,91	-	-
3x25	22,4	718,5	1000	1,20	102	82
3x35	24,9	920,9	1000	0,868	123	100
3x50	28,5	1101,6	1000	0,641	144	119
3x70	33,2	1481,4	1000	0,443	179	152
3x95	37,7	1982,5	1000	0,320	215	186
3x120	41,2	2366,5	1000	0,253	245	216
3x150	46,7	3102,2	500	0,206	275	246
3x185	52,1	3840,3	500	0,164	313	285
3x240	58,1	4809,2	500	0,125	364	338
3x300	64,5	6221,4	250	0,100	419	400
3x400	72,7	7771,4	250	0,0778	484	472

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+6 *	17,8	489,2	1000	3,08 - 4,81	-	-
3x16+10	20,2	610,1	1000	1,91 - 3,08	-	-
3x25+16	23,6	823,6	1000	1,20 - 1,91	102	82
3x35+16	25,7	1016,8	1000	0,868 - 1,91	123	100
3x50+25	29,8	1284,3	1000	0,641 - 1,20	144	119
3x70+35	34,5	1723,8	1000	0,443 - 0,868	179	152
3x95+50	39,3	2236,7	1000	0,320 - 0,641	215	186
3x120+70	43,5	2785,8	500	0,253 - 0,443	245	216
3x150+70	48,2	3266,0	500	0,206 - 0,443	275	246
3x185+95	54,0	4193,1	500	0,164 - 0,320	313	285
3x240+120	59,9	5274,1	250	0,125 - 0,253	364	338
3x300+150	67,3	6796,6	250	0,100 - 0,206	419	400
3x400+185	75,2	9224,8	250	0,0778 - 0,164	484	472

CE nqa. RoHS COMPLIANT IMQ CSQ ISTITUTO ITALIANO DEL MARCHIO DI QUALITA'

RIZZANI
CAVI

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	18,4	482,4	1000	3,08	-	-
4x16	20,8	644,9	1000	1,91	-	-
4x25	24,6	912,5	1000	1,20	102	82
4x35	27,3	1123,4	1000	0,868	123	100
4x50	31,5	1421,5	1000	0,641	144	119
4x70	36,8	1887,7	1000	0,443	179	152
4x95	41,7	2439,7	1000	0,320	215	186
4x120	45,7	3025,0	500	0,253	245	216
4x150	51,8	3840,5	500	0,206	275	246
4x185	57,9	4734,0	500	0,164	313	285
4x240	64,5	5832,0	250	0,125	364	338
4x300	72,2	7732,0	250	0,100	419	400
4x400	80,9	9807,9	250	0,0778	484	472
4x500	89,9	11841,3	250	0,0605	553	539

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	20,0	663,4	1000	3,08	-	-
5x16	22,7	852,6	1000	1,91	-	-
5x25	26,9	1191,7	1000	1,20	102	82
5x35	30,1	1484,2	1000	0,868	123	100
5x50	34,7	1884,2	1000	0,641	144	119
5x70	40,6	2519,5	500	0,443	179	152
5x95	46,1	3248,9	500	0,320	215	186
5x120	50,5	3896,8	500	0,253	245	216
5x150	57,4	4899,6	500	0,206	275	246
5x185	64,0	6105,0	250	0,164	313	285
5x240	71,5	7686,7	250	0,125	364	338
5x300	80,0	9845,3	250	0,100	419	400
5x400	89,7	12528,0	250	0,0778	484	472

RIZZANI
CAVI

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
4x16+10	22,1	754,7	1000	1,91 - 3,08	-	-
4x25+16	26,1	1053,8	1000	1,20 - 1,91	102	82
4x35+16	28,6	1295,2	1000	0,868 - 1,91	123	100
4x50+25	33,2	1665,9	1000	0,641 - 1,20	144	119
4x70+35	38,6	2264,8	500	0,443 - 0,868	179	152
4x95+50	43,9	2946,1	500	0,320 - 0,641	215	186
4x120+70	48,6	3630,6	500	0,253 - 0,443	245	216
4x150+70	54,1	4415,4	500	0,206 - 0,443	275	246
4x185+95	60,6	5549,0	250	0,164 - 0,320	313	285
4x240+120	67,3	6904,1	250	0,125 - 0,253	364	338
4x300+150	75,6	8894,7	250	0,100 - 0,206	419	400
4x400+185	84,6	11235,3	250	0,0778 - 0,164	484	472
4x240+185	70,0	7390,0	250	0,125 - 0,164	364	338
4x35+1,5	27,3	1140,0	1000	0,868 - 12,1	123	100
4x35+2,5	27,3	1150,4	1000	0,868 - 7,41	123	100
4x25+2,5	24,6	944,5	1000	1,20 - 7,41	102	82
4x150+1,5	51,8	3863,8	500	0,206 - 12,1	275	246

Note 1: * Conductor resistance calculated theoretically.
Note 2: Current carrying capacities are valid at 30°C ambient temperature.