

Code

RZC-CABT

Voltage Rating

0.6/1 kV

Standard

TS IEC 60502-1,
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

-

Armour

-

Sheath

PVC (Polyvinyl Chloride)

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 :

It is used as energy, mains and lighting cable, in cable ducts outside, underground, where there is no risk of mechanical damage.



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
1x10	8,5	107,8	1000	3,08	-	-
1x16	9,5	136,9	1000	1,91	-	-
1x25	11,1	188,0	1000	1,20	106	87
1x35	12,1	230,5	1000	0,868	127	107
1x50	13,7	280,3	1000	0,641	151	131
1x70	15,7	366,5	1000	0,443	185	166
1x95	17,7	478,6	1000	0,320	222	205
1x120	19,2	578,2	1000	0,253	253	239
1x150	21,7	708,9	1000	0,206	284	273
1x185	24,0	874,8	1000	0,164	322	317
1x240	26,8	1101,7	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
1x63*	15,7	363,1	1000	0,456	151	131

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	15,0	234,5	1000	3,08	-	-
2x16	17,0	297,8	1000	1,91	-	-
2x25	20,1	407,3	1000	1,20	102	82
2x35	22,2	497,8	1000	0,868	123	100
2x50	25,3	605,2	1000	0,641	144	119
2x70	29,3	803,3	1000	0,443	179	152
2x95	33,4	1038,5	1000	0,320	215	186
2x120	36,3	1245,4	1000	0,253	245	216
2x150	41,4	1565,4	1000	0,206	275	246
2x185	46,0	1916,4	1000	0,164	313	285
2x240	51,5	2419,4	500	0,125	364	338

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
3x6 re *	13,9	229,3	1000	4,74	-	-
3x10	15,9	297,1	1000	3,08	-	-
3x16	18,0	383,4	1000	1,91	-	-
3x25	21,4	535,8	1000	1,20	102	82
3x35	23,7	663,5	1000	0,868	123	100
3x50	27,2	811,2	1000	0,641	144	119
3x70	31,5	1103,3	1000	0,443	179	152
3x95	35,9	1434,7	1000	0,320	215	186
3x120	39,1	1726,4	1000	0,253	245	216
3x150	44,6	2170,1	500	0,206	275	246
3x185	49,6	2691,0	500	0,164	313	285
3x240	55,5	3402,7	500	0,125	364	338
3x300	62,0	4381,1	250	0,100	419	400

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	19,2	449,1	1000	1,91 - 3,08	-	-
3x25+16	22,6	623,6	1000	1,20 - 1,91	102	82
3x35+16	24,5	747,6	1000	0,868 - 1,91	123	100
3x50+25	28,5	955,4	1000	0,641 - 1,20	144	119
3x70+35	32,8	1268,0	1000	0,443 - 0,868	179	152
3x95+50	37,6	1662,1	1000	0,320 - 0,641	215	186
3x120+70	41,4	2038,2	500	0,253 - 0,443	245	216
3x150+70	46,0	2452,3	500	0,206 - 0,443	275	246
3x185+95	51,5	3070,2	500	0,164 - 0,320	313	285
3x240+120	57,3	3862,5	250	0,125 - 0,253	364	338
3x300+150	64,3	4963,4	250	0,100 - 0,206	419	400
3x400+185	72,2	6337,8	250	0,0778 - 0,164	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
5x10	19,0	475,8	1000	3,08	-	-
5x16	21,7	626,9	1000	1,91	-	-
5x25	25,9	895,8	1000	1,20	102	82
5x35	28,8	1136,4	1000	0,868	123	100
5x50	33,5	1429,1	1000	0,641	144	119
5x70	38,9	1944,9	500	0,443	179	152
5x95	44,4	2565,2	500	0,320	215	186
5x120	48,3	3085,2	500	0,253	245	216
5x150	55,2	3888,5	500	0,206	275	246
5x185	61,5	4823,7	250	0,164	313	285
5x240	68,9	6136,4	250	0,125	364	338
5x300	77,0	7928,7	250	0,100	419	400
5x400	86,7	10134,8	250	0,0778	484	472



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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	17,4	365,6	1000	3,08	-	-
4x16	19,8	476,9	1000	1,91	-	-
4x25	23,6	673,2	1000	1,20	102	82
4x35	26,1	838,1	1000	0,868	123	100
4x50	30,2	1045,3	1000	0,641	144	119
4x70	35,1	1420,7	1000	0,443	179	152
4x95	40,0	1851,9	1000	0,320	215	186
4x120	43,5	2255,2	500	0,253	245	216
4x150	49,7	2829,8	500	0,206	275	246
4x185	55,3	3477,5	500	0,164	313	285
4x240	62,0	4433,0	250	0,125	364	338
4x300	69,2	5713,6	250	0,100	419	400
4x400	77,9	7315,3	250	0,0778	484	472

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					In the Ground at 20°C	In the Air at 30°C
4x10	17,4	365,6	1000	3,08	-	-
4x16	19,8	476,9	1000	1,91	-	-
4x25	23,6	673,2	1000	1,20	102	82
4x35	26,1	838,1	1000	0,868	123	100
4x50	30,2	1045,3	1000	0,641	144	119
4x70	35,1	1420,7	1000	0,443	179	152
4x95	40,0	1851,9	1000	0,320	215	186
4x120	43,5	2255,2	500	0,253	245	216
4x150	49,7	2829,8	500	0,206	275	246
4x185	55,3	3477,5	500	0,164	313	285
4x240	62,0	4433,0	250	0,125	364	338
4x300	69,2	5713,6	250	0,100	419	400
4x400	77,9	7315,3	250	0,0778	484	472

Note 1: * Conductor resistance calculated theoretically.

Note 2: Current carrying capacities are valid at 30°C ambient temperature.