

CABLE RZ1MZ1-K 0.6/1KV - CCA-S1B,D1,A1

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CABLES FOR USE IN ATEX ZONES

Flexible high security cable for power distribution. In case of fire it does not emit toxic substances or corrosive gases, furthermore it does not spread fire, thus protecting public health and preventing damage to electronic equipment.



STANDARDS / GENERAL FEATURES

According to construction standards IEC60502
Flame retardant according to EN60332-1-2 / IEC60331-1-1
Fire retardant according to EN50266 / IEC60332-3
Halogen free according to EN50267-2-3 / IEC60754-2
Low smoke opacity according to EN50268 / IEC61034
Low gas corrosivity according to EN50267-2-3 / IEC60754-2
Good resistance to water impacts
Excellent mechanical strength
Suitable for indoors and outdoors

STRUCTURE

Bare electrolytic copper, Class 5 flexibility according to EN60228
Insulation made of cross-linked polyethylene (XLPE)
Conductor identification according to HD308 or EN50334
Bedding / Thermoset polyolefin inner sheath
Aarmor of galvanized steel wires, crosswound of copper tape if necessary
In case of unipolar cables, type RZ1MAZ1-K, armor is made of aluminum wires*
Minimum armor coverage of 90%
Thermoset polyolefin outer sheath
Green colour (black on request)
<i>* Aluminum is used in the unipolar cases to avoid eddy currents that may overheat the cable.</i>

TECHNICAL FEATURES

Rated voltage 0,6/1kV
Test voltage 3,500V C.A. for 5 min.
Temperature range -25°C to 70°C in fixed installation
Maximum conductor temperature 90°C (250°C in case of short-circuit)
Electrical resistance according to UNE 60228
Maximum allowable intensity according to HD516
Minimum bending radius: 10 x Outer diameter

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RZ1MZ1-K 0.6/1kV				
Item No.:	Cond. x section mm ² :	Outer D. mm:	Cable Weight kg/km:	Resistance Ω/km at 20°C:
10A133700020200500	2 x 1,5	12,9	290	13,30
10A133700030200500	3 G 1,5	13,4	300	13,30
10A133700040200500	4 G 1,5	14,1	350	13,30
10A133700050200500	5 G 1,5	15,8	391	13,30
10A133700070200500	7 G 1,5	16,5	475	13,30
10A133700080200500	8 G 1,5	17,4	535	13,30
10A133700100200500	10 G 1,5	19,4	578	13,30
10A133700120200500	12 G 1,5	19,7	640	13,30
10A133700160200500	16 G 1,5	21,2	775	13,30
10A133700240200500	24 G 1,5	25,3	1.005	13,30
10A133700300200500	30 G 1,5	26,8	1.418	13,30
10A133700440200500	44 G 1,5	33,2	2.582	13,30
10A133700020220500	2 x 2,5	13,8	341	7,98
10A133700030220500	3 G 2,5	14,3	410	7,98
10A133700040220500	4 G 2,5	15,1	474	7,98
10A133700050220500	5 G 2,5	16,8	502	7,98
10A133700070220500	7 G 2,5	17,6	568	7,98
10A133700080220500	10 G 2,5	21,6	738	7,98
10A133700100220500	12 G 2,5	22,1	854	7,98
10A133700030230500	3 G 4	15,4	488	4,95
10A133700040230500	4 G 4	16,4	573	4,95
10A133700050230500	5 G 4	18,8	625	4,95
10A133700030240500	3 G 6	17,0	620	3,30
10A133700040240500	4 G 6	18,6	799	3,30
10A133700050240500	5 G 6	21,5	870	3,30
10A133700040250500	4 G 10	21,0	995	1,91
10A133700050250500	5 G 10	21,8	1.085	1,91
10A133700040260500	4 x 16	24,6	1.480	1,21
10A133700050260500	5 G 16	27,2	1.700	1,21
10A133700040270500	4 x 25	28,8	2.200	0,780
10A133700050270500	5 G 25	31,8	2.520	0,780
10A133700040300500	4 x 35	30,5	2.680	0,554
10A133700040340500	4 x 50	35,2	3.450	0,386
10A133700030390500	3 x 70	37,3	4.050	0,272
10A133700040390500	4 x 70	42,1	4.680	0,272
RZ1MAZ1-K				
10A133700010240500	1 x 6	12,0	217	3,30
10A133700010250500	1 x 10	12,8	265	1,91
10A133700010260500	1 x 16	13,6	336	1,21
10A133700010270500	1 x 25	15,6	469	0,780
10A133700010300500	1 x 35	16,8	583	0,554
10A133700010340500	1 x 50	18,2	719	0,386
10A133700010390500	1 x 70	19,9	949	0,272
10A133700010450500	1 x 95	23,6	1.353	0,206
10A133700010510500	1 x 120	25,6	1.623	0,161
10A133700010580500	1 x 150	27,5	1.933	0,129
10A133700010650500	1 x 185	29,7	2.358	0,106
10A133700010730500	1 x 240	32,7	2.967	0,080

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CABLES