Cables 0,6/1 kV

RZ1-K mica (AS+) 0,6/1 kV

Description

These cables are suitable for the transport and distribution of electricity in permanent installations, having been designed to be able to guarantee service subject to fire conditions. They are mainly applicable in non-autonomous safety circuits and in circuits in operation with centralised autonomous sources, which must remain in service during and after the fire. Furthermore, subject to fire, they must not emit acid or toxic gases so they guarantee the safety of people and of the installations, at the same time as they facilitate the evacuation and intervention of the emergency teams on emitting reduced opacity gases.
Reference Standards: UNE 211025

Applications

- Suitable for public premises

Appropriate for installations where greater fire protection is required and to guarantee the operation of installations subject directly to fire, for 90 minutes at 400ºC.

Technical Characteristics

1. Conductor	lexible electrolytic copper conductor(Class V) according to BS EN 60228:2005 (previously BS6360) and UNE 60228.
2. Insulation	Mica tape||Cross-linked polyethylene (XLPE), type DIX-3, according to UNE 21123 and HD 603S1.
4. Sheath	Thermoplastic polyolefin sheath
Maximum temperature	90 ºC
Nominal voltage	0,6/1 kV
Test voltage	3.500 V A.C.
Other characteristics	

Colours according to UNE 21089 and HD 303S2 (colour marking when less than five conductors) and UNE-EN 50334 and EN 50334 (inscription marking when more than five conductors)
Fire resistance according to UNE-EN 50200, EN 50200, UNE-EN 50362, EN 50362 and IEC60331
Non-flame propagating according to UNE-EN 60332-1-2, EN 60332-1-2 and IEC 60332-1-2
Non-fire propagating in accordance with UNE-EN 60332-3-24, EN 60332-3-24 and IEC 60332-3-24
Low halogen content according to UNE-EN 50267, IEC 60754
Low corrosive gas emission according to UNE-EN 50267, IEC 60754
Low opaque smoke emission according to UNE-EN 61034, EN 61034, IEC 61034

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Dimensions

Section (mm^2)	Resistance at 20 °C (Ohm/km)	External Diameter (mm)	Weight (kg/km)
1x1,5	13,3	5,75	46
1x2,5	7,98	6,00	51
1x4	4,95	6,50	69
1x6	3,3	7,20	94
1x10	1,91	9,00	154
1x16	1,21	10,00	209
1x25	0,78	11,60	301
1x35	0,554	12,40	385
1x50	0,386	14,40	534
1x70	0,272	16,40	749
1x95	0,206	18,35	954
1x120	0,161	20,10	1.194
1G120	0,161	20,10	1.194
1x150	0,129	23,20	1.499
1x185	0,106	24,50	1.776
1x240	0,0801	27,60	2.334
1x300	0,0641	29,50	2.803
1x400	0,0486	32,75	3.643
2x1,5	13,3	9,50	121
2x2,5	7,98	9,95	142
2x4	4,95	10,90	184
2x6	3,3	12,50	250
2x10	1,91	14,50	365
2x16	1,21	17,10	529
2x25	0,78	20,50	783
2x35	0,554	22,50	1.007
3G1,5	13,3	10,05	141
3G2,5	7,98	10,50	167
3G4	4,95	12,00	233
3G6	3,3	13,60	315
3G10	1,91	15,30	448
3x16	1,21	18,20	662
3x25	0,78	21,85	988
3x35	0,554	24,00	1.287
3x50	0,386	29,75	1.915
4x1,5	13,3	10,90	166
4x2,5	7,98	11,45	200
4x4	4,95	12,80	274
4x6	1,65	14,70	378

Section (mm^2)	Resistance at 20 °C (Ohm/km)	External Diameter (mm)	Weight (kg/km)
4x10	0,955	18,00	603
4x16	1,21	21,70	906
4x25	0,78	23,00	1.169
4x35	0,554	26,70	1.626
4x50	0,386	33,00	2.409
4x70	0,272	37,75	3.330
4x95	0,206	42,00	4.253
4x120	0,161	47,70	5.461
4x150	0,129	53,90	6.892
4x185	0,106	57,85	8.084
5x1,5	13,3	11,85	193
5x2,5	7,98	12,45	235
5x4	4,95	13,80	318
5x6	3,3	15,30	454
5x10	1,91	18,40	661
5x16	1,21	22,45	1.010
5x25	0,78	26,80	1.499
5x35	0,554	30,20	2.018
5x50	0,386	36,60	2.928
5x70	0,272	42,15	4.158
5x95	0,206	46,80	5.203
5x120	0,161	53,15	6.674
6x1,5	13,3	12,00	199
6x2,5	7,98	13,55	272
7x1,5	13,3	12,00	217
7x2,5	7,98	13,60	299
8x1,5	13,3	13,00	244
8x2,5	7,98	14,65	335
10x1,5	13,3	14,70	314
10x2,5	7,98	15,75	398
12x1,5	13,3	14,85	331
12x2,5	7,98	16,85	462
14x1,5	13,3	15,80	375
14x2,5	7,98	17,95	525
16x1,5	13,3	16,80	419
16x2,5	7,98	19,05	589
19x1,5	13,3	17,75	481
19x2,5	7,98	20,15	649
24x1,5	13,3	19,65	587

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Dimensions

Section (mm^2)	Resistance at 20 °C (Ohm/km)	External Diameter (mm)	Weight (kg/km)
24x2,5	7,98	22,40	834