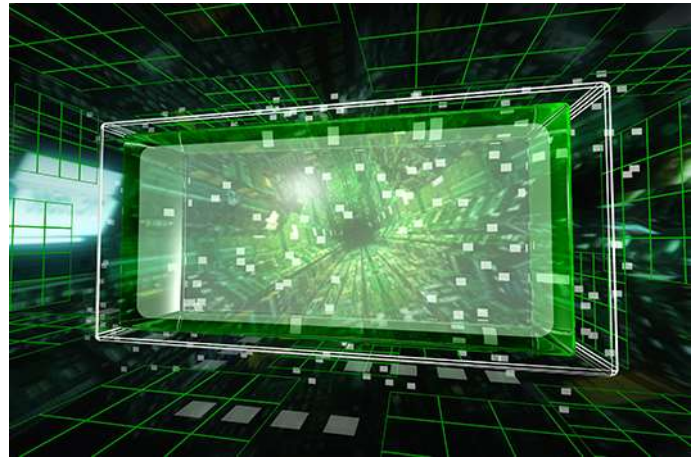


# Cables Instrumentation and control

## RC4Z1-K mica (AS+) 0,6/1 kV



### Description

RC4Z1-K mica (AS+) cables are suitable for permanent installations where fire resistance is required as well as electromagnetic protection to avoid parasitic currents. Useful in applications for the control and command of inverters, solenoid valves, machine and logic controller start-up, power switches, temperature, current or voltage regulation in motorised valves as well as for installation in computing facilities, airports, road tunnels, railway networks and wherever a low emission of corrosive fumes and gases is required due to fire hazards such as public premises, hospitals, schools and shopping centres.

Reference Standards: HD 603 S1 and IEC 60502

### Applications

Suitable for public premises

Suitable for facilities requiring an increased fire protection and a guaranteed functioning of facilities directly subjected to fire for a period of 90 minutes at 400 °C.

### Technical Characteristics

1. Conductor	Flexible electrolytic copper (Class V) in compliance with UNE-EN 60228, EN 60228 and IEC 60228
2. Insulation	Mica tape
3. Insulation	Cross-linked polyethylene (XLPE), type DIX-3, according to UNE 21123 and HD 603S1
4. Metallic armour	Polyester sheet
5. Metallic armour	Copper braid
6. Sheath	Halogen-free thermoplastic polyolefin sheath according to UNE 21123, non-fire propagating and with reduced smoke emission and opacity
Nominal voltage	0,6/1 kV
Test voltage	3.500 V A.C.
Maximum temperature	90 °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 resistant in compliance with UNE-EN 50200, EN 50200, UNE-EN 50362 and EN 50362

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 in compliance with IEC 60754

Low emission of corrosive gases in compliance with IEC 60754

Low emission of opaque fumes in compliance with UNE-EN 61034, EN 61034 and IEC 61034

Dimensions

Section (mm <sup>2</sup> )	Resistance at 20 °C (Ohm/km)	External Diameter (mm)	Weight (kg/km)
1x6	3,3	7,30	98
1x10	1,91	8,55	148
1x16	1,21	9,85	210
1x25	0,78	11,55	306
1x35	0,554	12,55	396
1x50	0,386	14,45	546
1x70	0,272	16,55	748
2x1,5	13,3	9,60	105
2x2,5	7,98	10,60	133
2x4	4,95	11,70	170
2x6	3,3	12,60	210
2x10	1,91	15,10	313
2x16	1,21	17,70	443
2x25	0,78	21,10	640
3G1,5	13,3	10,05	127
3G2,5	7,98	11,15	165
3G4	4,95	12,35	217
3G6	3,3	13,30	272
3G10	1,91	16,00	418
3x16	1,21	18,80	603
3x25	0,78	22,45	885
4x1,5	13,3	10,85	153
4x2,5	7,98	12,05	200
4x4	4,95	13,40	268
4x6	3,3	14,50	340
4x10	1,91	17,50	529
4x16	1,21	20,65	770
4x35	0,554	29,20	1.459
4x50	0,386	34,20	2.045
4x70	0,272	38,50	2.786
4x95	0,206	43,50	3.648
4x120	0,161	48,95	4.649
5x1,5	13,3	11,75	179
5x2,5	7,98	13,10	236
5x4	4,95	14,60	319
5x6	3,3	15,80	408
5x10	1,91	19,15	640
5x35	0,554	32,25	1.790
8x1,5	13,3	13,60	249