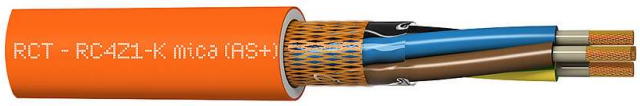
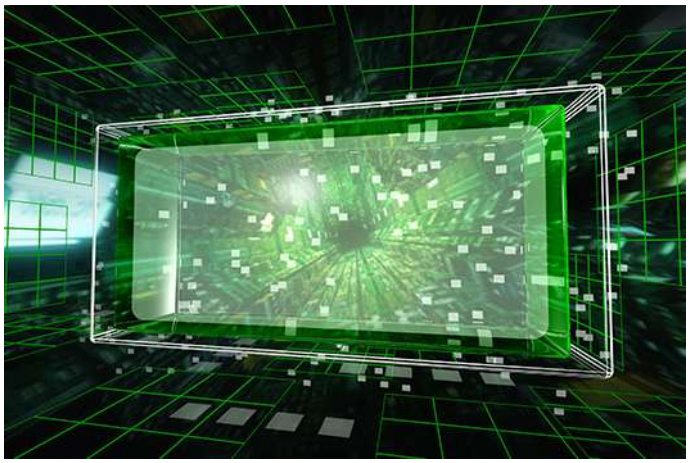
Cables Instrumentation and control

# 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: UNE 21123 and HD 603S1

## 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 ºC.

## 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 | 70% 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 ºC |
| 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

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## Dimensions

| Section ($mm^2$) | 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 |