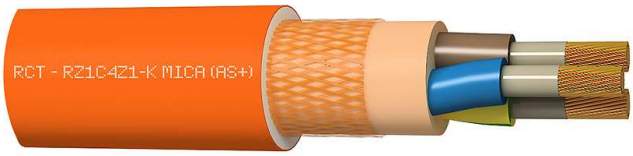
Cables Instrumentation and control

RZ1C4Z1-K mica (AS+) 0,6/1 kV



Description

RZ1C4Z1-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 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. Armour bedding	Thermoplastic polyolefin
5. Metallic armour	Copper braid on polyester sheet
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 60754-1 e IEC 60754-2
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)
1x95	0,206	21,85	1.168
1x120	0,161	23,60	1.432
1x150	0,129	26,30	1.777
1x185	0,106	28,20	2.077
1x240	0,0801	31,50	2.682
1x300	0,0641	33,60	3.193
2x25	0,78	24,90	1.074
2x35	0,554	27,00	1.330
2x50	0,386	32,35	1.898
2x70	0,272	36,05	2.455
2x95	0,206	39,50	3.065
3x25	0,78	26,40	1.306
3x35	0,554	28,50	1.629
3x50	0,386	34,30	2.339
3x70	0,272	38,20	3.051
3x95	0,206	41,75	3.831
4x25	0,78	27,10	1.472
4x35	0,554	30,85	1.977
4x50	0,386	38,90	3.003
4x70	0,272	42,20	3.807
4x95	0,206	46,75	4.864
5x16	1,21	26,60	1.314
5x25	0,78	30,95	1.851
5x35	0,554	34,30	2.408
5x50	0,386	41,70	3.496
5x70	0,272	46,25	4.561
5x95	0,206	50,50	5.749