



### RZ1-K (AS+) Mica

#### Application and Description

These cables are specially designed to transmit electric power in the extrem conditions that there are in a large fire, assuring electric supply to emergency circuits, like signaling lights, fume extractors, acoustic alarms, water pumps, etc. In case of fire, it does not emit toxic or corrosive gases, thereby protecting public health and avoiding any possible damage to electronic equipment. For this reason, its use is recommended in public places such as: hospitals, schools, museums, airports, bus terminals, shops in general, tunnels, the underground, etc., as well as in calculation centres, offices, production plants, laboratories, etc.

#### Standard

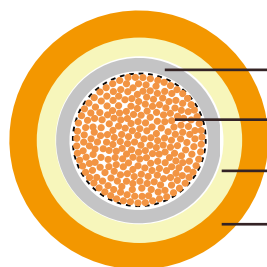
UNE 211 025, IEC 60502, EN 50200, IEC 60331, IEC 61034, UNE-EN 50265-2-1, UNE-EN 50265-2-1, UNE-EN 50266, UNE-EN 50267-2-1, UNE 21123

#### Cable Construction

- Flexible electrolytic copper conductor Class 5 according to UNE-EN 60228
- Insulation: Mica tape + XLPE from 25 mm<sup>2</sup>
- Color coded to HD 308
- LOSH polyolephine outer sheath according to UNE 21123

#### Technical Characteristics

- Working voltage: 600/1000 volts
- Test voltage: 3500 volts
- Minimum bending radius: 5 x Ø
- Working temperature: -15° C to +90° C
- Short circuit temperature: +250° C
- Insulation resistance: 20 MΩ x km
- Halogen free: IEC 60754-1, EN 50267-2-1
- No corrosive gases: IEC 60754-2, EN 50267-2-2
- Low smoke density: IEC 61034, EN 50268-2
- Flame retardant: IEC 60332-1, EN 50265-2-1
- Fire resistant: UNE-EN 50200 PH90, UNE-EN 50362 PH90, IEC 60331-21
- Non-flame propagating: IEC 60332-3, EN 50266-2



Mica tape  
Electrolytic copper conductor  
XLPE insulation  
LOSH polyolephine outer sheath

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## Cable Parameter

| AWG              | No. of Cores x Nominal<br>Cross Sectional Area<br># x mm <sup>2</sup> | Nominal Overall<br>Diameter<br>mm | Nominal Weight<br>kg/km |
|------------------|-----------------------------------------------------------------------|-----------------------------------|-------------------------|
| 2(280/26)        | 1×35                                                                  | 13.0                              | 390                     |
| 1(400/26)        | 1×50                                                                  | 14.5                              | 530                     |
| 2/0(356/24)      | 1×70                                                                  | 16.6                              | 735                     |
| 3/0(485/24)      | 1×95                                                                  | 18.4                              | 945                     |
| 4/0(614/24)      | 1×120                                                                 | 20.4                              | 1190                    |
| 300 MCM (765/24) | 1×150                                                                 | 22.4                              | 1475                    |
| 350 MCM (944/24) | 1×185                                                                 | 24.3                              | 1765                    |
| 500MCM(1225/24)  | 1×240                                                                 | 27.6                              | 2335                    |
| -                | 1×300                                                                 | 31.2                              | 2920                    |
| -                | 1×400                                                                 | 35.8                              | 3965                    |
| 4(280/26)        | 3×35                                                                  | 23.7                              | 1265                    |
| 2(280/26)        | 4×35                                                                  | 26.1                              | 1615                    |
| 1(400/26)        | 4×50                                                                  | 30.2                              | 2245                    |
| 16(30/30)        | 4×70                                                                  | 33.0                              | 2955                    |
| 14(50/30)        | 4×90                                                                  | 36.6                              | 3810                    |
| 2(280/26)        | 5×35                                                                  | 28.4                              | 1005                    |