



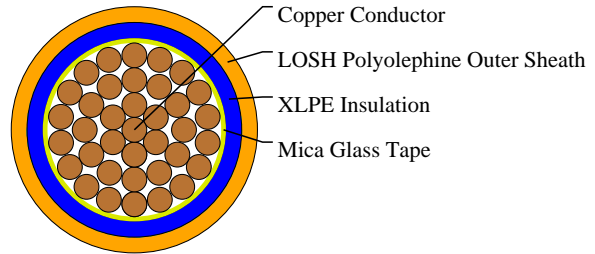
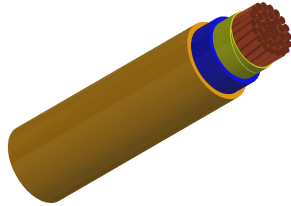
# Caledonian

Industrial Cables (Spanish Standard)

[www.caledonian-cables.com](http://www.caledonian-cables.com)

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## RZ1-K (AS+) Mica



## APPLICATIONS

These cables are specially designed to transmit electric power in the extreme 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.

## STANDARDS

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

## VOLTAGE RATING

600/1000 V

## CABLE CONSTRUCTION

- Flexible electrolytic copper conductor Class 5 according to UNE-EN 60228
- Insulation: Mica tape + XLPE
- LOSH polyolephine outer sheath according to UNE 21123

## COLOUR CODE

Insulation Colour Code

Color coded to HD 308

Single core - Black, Blue, Green/Yellow, Red, Yellow, White, Violet, Brown, Grey, Orange, Pink

## PHYSICAL AND THERMAL PROPERTIES

- 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



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- 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

## DIMENSION AND PARAMETERS

No. of Cores × Cross-sectional Area	AWG Size	Approx. Overall Diameter	Approx. Weight
No. × mm <sup>2</sup>		mm	kg/km
1x185	350 MCM	24.3	1765