



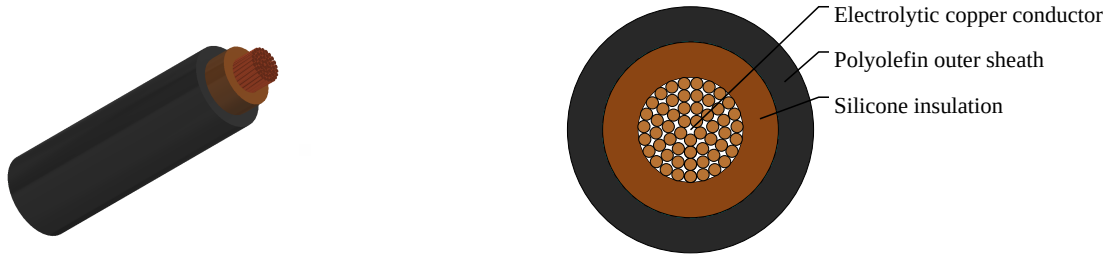
Caledonian

Industrial Cables (Spanish Standard)

www.caledonian-cables.com

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SZ1-K (AS+)



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 light, fume extractors, acoustic alarms, water pumps, etc. In case of fire, they do not emit toxic or corrosive gases, thereby protecting public health and avoiding any possible damage to electronic in public places such as: hospitals, schools, museums, airport, bus terminals, shops in general, tunnels, the underground, etc., as well as in calculation centres, offices, production plants, laboratories, etc.

STANDARDS

UNE 211025, IEC 60502, EN 60332-1, EN 50266
EN 50267-1, EN 50267-2, EN 61034, IEC 60332-1
IEC 60332-3, IEC 60754-1, IEC 60754-2, IEC 61034, IEC 60331

VOLTAGE RATING

600/1000V

CABLE CONSTRUCTION

- Flexible electrolytic annealed copper conductor
- Class 5 in accordance with IEC 60228.
- Silicone insulation, type EI2, according to UN-EN 50363.
- Thermoplastic polyolefin outer sheath according to UNE 21123

COLOUR CODE

Insulation Colour Code

Colour coded to HD 308

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

PHYSICAL AND THERMAL PROPERTIES

- Test voltage: 2000 volts
- Minimum bending radius: $5 \times \varnothing$
- Working temperature: -15°C to $+90^{\circ}\text{C}$
- Short circuit temperature: $+250^{\circ}\text{C}$
- Insulation resistance: $20\text{ M}\Omega \times \text{km}$



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- 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
- 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 ²		mm	kg/km
1 x 4	12(56/28)	7.3	90