



### SOZ1-K(AS+)

#### Application and Description

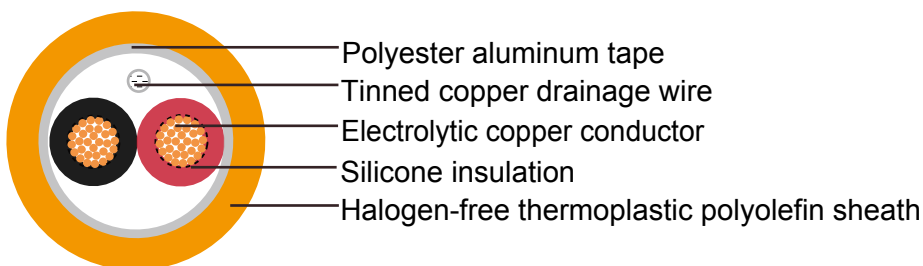
These halogen-free cables are indicated for use in electric circuits for fire detection, alarms, pushbuttons, detectors, etc. Furthermore, this cable guarantees compliance with the applicable legislation, satisfying the fire resistance standard UNE-EN 50200, thus maintaining the operation of the installations when subject to fire, for 90 minutes at 400°C, as established by the REBT in its ITC 28 “public premises”. Subject to fire it does not emit acid or toxic gases so it guarantees the safety of people and of the installations.

#### Standard and Approval

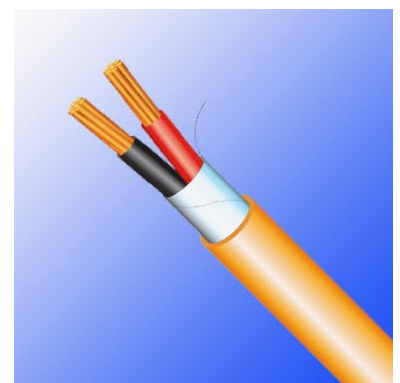
UNE 211025, IEC 60228, IEC 60331-21, IEC 60754, IEC 60754-1, UNE EN 50267-2-3, UNE EN 50362 PH90, UNE EN 61034-2, UNE-EN 50200 PH90

#### Cable Construction

- Flexible electrolytic copper conductor Class 5 according to UNE-EN 60228
- Silicone insulation type EI2 according to UNE-EN 50363
- Color coded to HD 308
- Polyester tape, tin plated copper drainage wire and polyester aluminum tape
- Halogen-free thermoplastic polyolefin sheath according to UNE 21123



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### Technical Characteristics

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- Working voltage: 300/500 volts
  - Test voltage: 2000 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: UNE-EN 50267 and EN 50267
  - No corrosive gases: UNE-EN 50267 and EN 50267
  - Low smoke density: UNE-EN 61034, EN 61034 and IEC 61034
  - Fire resistant: UNE-EN 50200, EN 50200, UNE-EN 50362 and EN 50362
  - Non-flame propagating: UNE-EN 60332, EN 60332 and IEC 60332
  - Non-fire propagating according to UNE-EN 50266 and EN 50266
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### Cable Parameter

<b>AWG</b>	<b>No. of Cores x Nominal Cross Sectional Area # x <i>mm</i><sup>2</sup></b>	<b>Nominal Overall Diameter <i>mm</i></b>	<b>Nominal Weight <i>kg/km</i></b>
16(30/30)	2×1.5	8.6	105
14(50/30)	2×2.5	9.9	135