



## PROFIBUS Standard SK (fast connect)

fast connect standard type for Sinec-L2-DP and FIP (Factory Instrumentation Protocol)

### Construction

- Conductor: bare Cu wire
- Core insulation: expanded PE, halogen-free
- Core colours: red and green
- Cores twisted in layers, with optimal lay lengths
- PVC intersheath
- Overall screening with composite aluminium foil, metal layer on the outside, and tinned copper braided screening
- Outer sheath: special PVC, flame retardant
- Sheath colour: RAL 4001 red lilac

### Technical Data

- Peak operating voltage: max. 100V
- Test voltage: 3600 V/3 sec.
- Conductor loop resistance: max. 110 V Ohm/km
- Insulation resistance:  $\geq 16000 \text{ MOhm} \times \text{km}$
- Mutual capacitance at 1 kHz: approx. 28,5 nF/km
- Bending radius: min. 150 mm
- Temperature range: stationary -40°C to +60°C
- Wave impedance: nominal value 150 Ohm
  - 3 to 20 MHz  $150 \pm 15 \text{ Ohm}$
  - 31.25 to 38.4 kHz  $185 \pm 18.5 \text{ Ohm}$
  - 9.6 kHz  $270 \pm 27 \text{ Ohm}$
- Attenuation: at 16 MHz  $< 42 \text{ dB/km}$ 
  - at 4 MHz  $< 22 \text{ dB/km}$
  - at 38.4 kHz  $< 4.0 \text{ dB/km}$
  - at 9.6 kHz  $< 2.5 \text{ dB/km}$

### Properties

- Flame retardant to IEC 60332-1

### Available special types

- UL-listed type
- "SK-Food" type for use in the food industry

| Ø mm²        | Cu-Weight kg/km | Outer-Ø mm | Total-Weight kg/km | Article number |
|--------------|-----------------|------------|--------------------|----------------|
| 1 x 2 x 0.64 | 26.3            | 8.0        | 75.0               | 4430286433     |

- Weitere Anfertigungen auf Anfrage
- Alle Angaben ohne Gewähr