



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

- Further formats available on request
- All data and products subject to change