



Multiflex® PROFIBUS

Drag-chain compatible Profibus cable for Sinec-L2-DP

Construction

- Conductor: stranded bare Cu
- Core insulation: expanded PE
- Core colours: red and green
- Cores twisted in layers, with optimal lay lengths
- Fabric lapping
- Overall screening with composite aluminium foil, metal layer on the outside, and tinned copper braided screening
- Fabric layer
- Outer sheath: special PUR
- Sheath colour: preferably RAL 4001 red lilac, partly also available in turquoise blue

Technical Datas

- Peak operating voltage: max. 100 V
- Test voltage: 3600 V/3 sec.
- Conductor loop resistance: max. 133 V Ohm/km
- Insulation resistance: $\geq 16000 \text{ MOhm} \times \text{km}$
- Mutual capacitance at 1 kHz: approx. 28,0 nF/km
- Bending radius: min. 65 mm
- Temperature range: -40°C to +60°C
- Wave impedance: nominal value 150 Ohm
 - 3 to 20 MHz $150 \pm 15 \text{ Ohm}$
 - 38.4 kHz $185 \pm 18.5 \text{ Ohm}$
 - 9.6 kHz $270 \pm 27 \text{ Ohm}$
- Attenuation: at 16 MHz < 49 dB/km
 - at 4 MHz < 25 dB/km
 - at 38.4 kHz < 4.0 dB/km
 - at 9.6 kHz < 3.0 dB/km

Properties

- Flame retardant to IEC 60332-1

Available special types

- UL-listed type
- as drag chain hybrid cable with 4 cores 1.5 mm² for auxiliary energy, outer diameter approx. 11.0 mm
- as robot cable for 360° torsion

Ø mm ²	Cu-Weight kg/km	Outer-Ø mm	Total-Weight kg/km	Article number
1 x 2 x 0.64	28.0	8.5	65.0	4430206401

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