BUS Cables

RoHS



Type Cable structure

Inner conductor diameter: Core insulation: Core colours: Stranding element: Shielding 1: Shielding 2: Total shielding: Outer sheath material: Cable external diameter: Outer sheath colour:

Electrical data

Characteristic impedance: Conductor resistance: Insulation resistance: Mutual capacitance: Test voltage: Attenuation:

Technical data

Weight: Min. bending radius for laying: Operating temperature range min.: Operating temperature range max.: Caloric load, approx. value: Copper weight:

Norms

Applicable standards: UL Style:

Application

HELUKAT°

The application of these Profibus SK cables are in the cell and field area, just as for conventional types. The great advantage of this new system is the quick connection of the cable to the respective plugs. This type of processing also avoids errors. The types mentioned here are suitable for indoor laying (special FRNC sheath) and heav industry laying (PUR sheath).

Part no.

81501, Profibus SK

Dimensions and specifications may be changed without prior notice.



Fixed installation, indoor 1x2x0.64 mm

Copper, bare (AWG 22/1) Foam-skin-PE rd, gn 2 cores + filler Polyester foil over stranded bundle Polyester foil, aluminium-lined Cu braid, tinned FRNC approx. 8,0 mm \pm 0,4 mm Violet similar to RAL 4001

150 Ohm ± 10 % 55,0 Ohm/km max. 1,00 GOhm x km min. 35,0 nF/km nom. 1,5 kV 9,6 kHz < 2,5 dB/km 38,4 kHz < 4,0 dB/km 4 MHz < 22,0 dB/km 16 MHz < 42,0 dB/km

approx. 73,0 kg/km 145,0 mm -25°C +60°C 1,20 MJ/m 24,0 kg/km

Industrial Area 1x2x0.64 mm

Copper, bare (AWG 22/1) Foam-skin-PE rd, gn 2 cores + filler Polyester foil over stranded bundle Polyester foil, aluminium-lined Cu braid, tinned PUR approx. 8,0 mm ± 0,4 mm Violet similar to RAL 4001

HELUKABEL

Profibus SK FRNC + Industry

150 Ohm ± 10 % 55,0 Ohm/km max. 1,00 GOhm x km min. 35,0 nF/km nom. 1,5 kV 9,6 kHz < 2,5 dB/km 38,4 kHz < 4,0 dB/km 4 MHz < 22,0 dB/km 16 MHz < 42,0 dB/km

approx. 71,0 kg/km 120,0 mm -40°C +70°C 1,57 MJ/m 24,0 kg/km

81905, Profibus SK

Profibus acc. to DIN 19245 T3 and EN50170 Profibus acc. to DIN 19245 T3 and EN50170 CM 750C (shielded) -

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