



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:

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
8,0 mm ± 0,4 mm
Violet similar to RAL 4001

Heavy duty 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
8,0 mm ± 0,4 mm
Violet similar to RAL 4001

Electrical data

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

150 Ohm ± 10 %
57,1 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

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Technical data

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

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

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

Norms

Applicable standards:
UL Style:

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

Application

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 heavy industry laying (PUR sheath).

Part no.

81501, Profibus SK

81905, Profibus SK