



Type

Cable structure

Inner conductor diameter:
Core insulation:
Core colours:
Stranding element:
Shielding 1:
Shielding 2:
Total shielding:
Drain wire:
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 + 2 fillers stranded together
Polyester foil over stranded bundle
Polyester foil, aluminium-lined
Cu braid, tinned
yes
PVC
8,0 mm ± 0,4 mm
Violet similar to RAL 4001

Electrical data

Characteristic impedance: 150 Ohm ± 10 %
Conductor resistance: 55,0 Ohm/km max.
Insulation resistance: 1,00 GOhm x km min.
Mutual capacitance: 30,0 nF/km nom.
Test voltage: 1,5 kV
Attenuation: 9,6 kHz < 2,5 dB/km
38,4 kHz < 4,0 dB/km
4 MHz < 22,0 dB/km
16 MHz < 45,0 dB/km

Technical data

Weight: approx. 66,0 kg/km
Min. bending radius for laying: 110,0 mm
Operating temperature range min.: -40 °C
Operating temperature range max.: +70 °C
Caloric load, approx value: 0,90 MJ/m
Copper value: 24,0 kg/km

Norms

Applicable standards: Profibus acc. to DIN 19245 T3 and EN50170
UL Style: CMG PLTC
CSA standard: CEC: CMG FT4

Application

This system cable is used to interconnect L2-BUS components. This cable is an economical solution for the cell and field area. For the information exchange between different automation systems as well as for communication with the connected decentralized field units, serial field bus systems are used. The type described here is suitable for the installation in areas where the FT4 standard (special fire standard "vertical tray") according to UL/CSA applies. For this purpose the line was equipped with a special outer PVC sheath.

Part no.

800680, Profibus L2