



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, outdoor Heavy duty

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
PE
8,0 mm ± 0,4 mm
Black similar to RAL 9005

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
PUR
8,0 mm ± 0,4 mm
Petrol similar to RAL 5018

Electrical data

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

150 Ohm ± 10 %
55,0 Ohm/km max.
1,00 GOhm x km min.
30,0 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

150 Ohm ± 10 %
55,0 Ohm/km max.
1,00 GOhm x km min.
30,0 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

Technical data

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

approx. 64,0 kg/km
120,0 mm
-40 °C
+70 °C
2,26 MJ/m
24,0 kg/km

approx. 67,0 kg/km
120,0 mm
-40 °C
+70 °C
1,52 MJ/m
24,0 kg/km

Norms

Applicable standards:

Profibus acc. to DIN 19245 T3 and EN50170 Profibus acc. to DIN 19245 T3 and EN50170

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 types mentioned here are suitable for outdoor laying (PE sheath) and industry laying (PUR sheath).

Part no.

80792, Profibus L2

81186, Profibus L2