



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 1x2x0.22 mm² (stranded)

Copper, bare (AWG 24/7)
Cell PE
wh/bn
Double core
Polyester foil over stranded bundle
-
Cu braid, tinned
PVC
5,4 mm ± 0,2 mm
Violet similar to RAL 4001

Fixed installation, indoor 4x1x0.22 mm² (stranded)

Copper, bare (AWG 24/7)
Cell PE
wh/bn, gn/ye
Star quad
Polyester foil over stranded bundle
-
Cu braid, tinned
PVC
6,9 mm ± 0,2 mm
Violet similar to RAL 4001

Electrical data

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

120 Ohm ± 10,00 %
87,0 Ohm/km max.
1,00 GOhm x km min.
58,0 nF/km nom.
30 V
1,5 kV

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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. 35,0 kg/km
81,0 mm
-40 °C
+70 °C
0,57 MJ/m
16,0 kg/km

approx. 60,0 kg/km
107,0 mm
-40 °C
+70 °C
1,23 MJ/m
21,0 kg/km

Norms

Applicable standards:
UL Style:

Profibus acc. to DIN 19245 T3 and EN50170
UL Style 2571

Application

The CAN bus series (control area network) is a variable field bus system. In the area of automation technology, complex controllers and control units are networked. Industries, such as the textile or construction machine industry and the medical technology, use this series. The above mentioned types are suitable for fixed laying in indoor applications. This is also a very economical solution of a BUS system.

Part no.

81286, CAN BUS

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