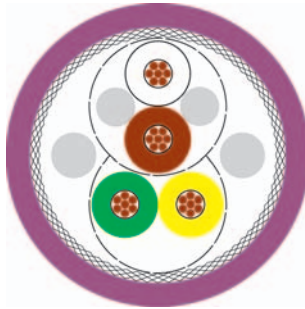


BUS Cables

CAN Bus

HELUKABEL®

fixed installed



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 2x2x0.22 mm² (stranded)

Copper, bare (AWG 24/7)
Cell PE
wh/bn, gn/ye
2 cores + 2 fillers stranded together
Polyester foil over stranded bundle
-
Cu braid, tinned
PVC
approx. 7,5 mm ± 0,3 mm
Violet similar to RAL 4001

Electrical data

Characteristic impedance: 120 Ohm ± 10 %
Conductor resistance, max.: 87,6 Ohm/km
Insulation resistance, min.: 5 GOhm x km
Loop resistance: 174 Ohm/km max.
Mutual capacitance: 40 nF/km nom.
Nominal voltage: 30 V
Test voltage: 1,5 kV

Technical data

Weight: approx. 60 kg/km
bending radius, repeated: 113 mm
Operating temperature range min.: -25°C
Operating temperature range max.: +70°C
Caloric load, approx. value: 1,13 MJ/m
Copper weight: 32,00 kg/km

Norms

Applicable standards: Profibus acc. to DIN 19245 T3 and EN50170
UL Style: UL Style 2571
CSA standard: CSA FT1

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. 82509, CAN BUS

Dimensions and specifications may be changed without prior notice.