



EN: This Datasheet/Document is presented by the manufacturer.

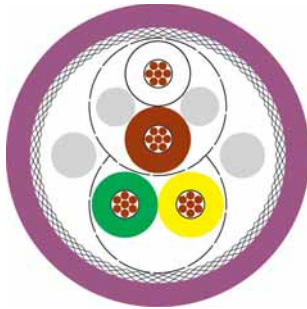
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BUS Cables

CAN Bus fixed installed

HELUKABEL®

PVC



Type Cable structure

Inner conductor diameter:
Core insulation:
Core colours:
Stranding element:
Separator:
Shielding 1:
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
app. 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: 175,2 Ohm/km max.
Mutual capacitance: 40 nF/km nom.
Nominal voltage: 30 V
Test voltage: 1,5 kV

Technical data

Weight: app. 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: CAN Bus acc. to ISO 11898-2
Flame-retardant acc. to IEC 60332-1-2
UL Style: UL Style 2571
CSA standard: CSA FT1

Application

HELUKABEL® CAN BUS for fixed installation and occasion motion, for normal requirements. The two signal pairs are provided in the form twisted pairs. As a result, the diameter is somewhat larger than that of 81287. In the event of diameter problems, please have a look at this type. For cable lengths up to max. 40m (observe CAN specifications).

Part no.

82509, CAN BUS

Dimensions and specifications may be changed without prior notice.