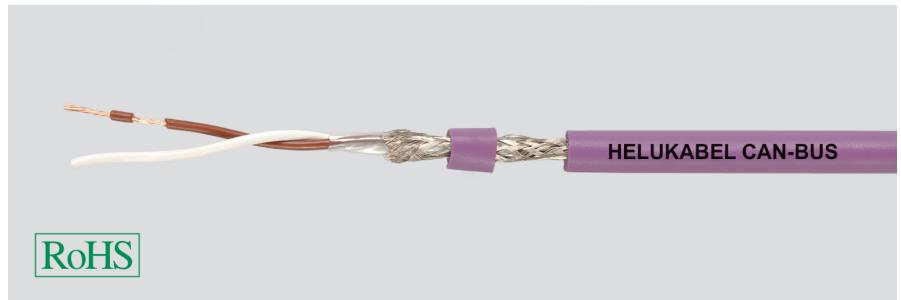
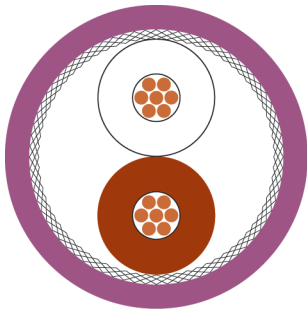


# BUS Cables

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 1x2x0.22 mm<sup>2</sup> (stranded)

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

## Fixed installation, indoor 4x1x0.22 mm<sup>2</sup> (stranded)

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

## Electrical data

Characteristic impedance:  
Conductor resistance, max.:  
Insulation resistance, min.:  
Loop resistance:  
Mutual capacitance:  
Nominal voltage:  
Test voltage:

120 Ohm ± 10 %  
88 Ohm/km  
1 GOhm x km  
175 Ohm/km max.  
58 nF/km nom.  
30 V  
1,5 kV

120 Ohm ± 10 %  
88 Ohm/km  
1 GOhm x km  
175 Ohm/km max.  
58 nF/km nom.  
30 V  
1,5 kV

## Technical data

Weight:  
bending radius, repeated:  
Operating temperature range min.:  
Operating temperature range max.:  
Caloric load, approx. value:  
Copper weight:

app. 41 kg/km  
81 mm  
-40°C  
+70°C  
0,574 MJ/m  
17,00 kg/km

app. 60 kg/km  
107 mm  
-40°C  
+70°C  
1,234 MJ/m  
21,00 kg/km

## Norms

Applicable standards:  
UL Style:

CAN Bus acc. to ISO 11898-2  
Flame-retardant acc. to EN 50265-2-1  
UL Style 2571

CAN Bus acc. to ISO 11898-2  
Flame-retardant acc. to EN 50265-2-1  
UL Style 2571

## Application

HELUKABEL® CAN Bus for fixed installation and occasional motion, for normal requirements. The 2-pair version is designed with star-quad twisting, i.e. diagonal conductors form an electrical pair and meets the requirements of the CAN Standard. For cable lengths up to max. 40m (observe CAN specifications).

## Part no.

**81286**, CAN BUS

**81287**, CAN BUS

Dimensions and specifications may be changed without prior notice.