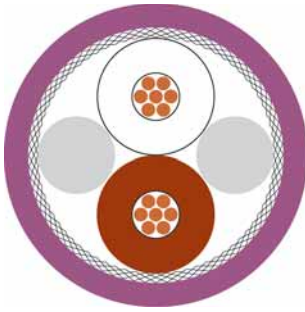


# BUS Cables

CAN Bus drag chain, UL

 **HELUKABEL®**

PUR



## 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:

### Drag chain applications 1x2x0.34 mm<sup>2</sup> (stranded)

Copper, bare (AWG 22)  
Foam-skin-PE  
wh/bn  
2 cores + 2 fillers stranded together  
-  
-  
Cu braid, tinned  
PUR  
app. 6,9 mm ± 0,3 mm  
Violet similar to RAL 4001

### Drag chain applications 4x1x0.34 mm<sup>2</sup> (stranded)

Copper, bare (AWG 22/43)  
Foam-skin-PE  
wh/bn, gn/ye  
Star quad  
-  
-  
Cu braid, tinned  
PUR  
app. 7,5 mm ± 0,3 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 ± 15 %  
56 Ohm/km  
5 GOhm x km  
170 Ohm/km max.  
40 nF/km nom.  
250 V  
1,5 kV

120 Ohm ± 15 %  
56 Ohm/km  
5 GOhm x km  
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250 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. 54 kg/km  
105 mm  
-30°C  
+70°C  
1,20 MJ/m  
30,00 kg/km

app. 64 kg/km  
130 mm  
-30°C  
+70°C  
1,20 MJ/m  
42,00 kg/km

## Norms

Applicable standards:

CAN Bus acc. to ISO 11898-2  
Halogen-free acc. to 60754-1  
Flame-retardant acc. to IEC 60332-1-2  
CMX 444

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CMX 444

## Application

HELUKABEL® CAN Bus is designed for guided continuous motion in cable carriers. 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.

**802182**, CAN BUS, highly flexible

**802339**, CAN BUS, highly flexible

Dimensions and specifications may be changed without prior notice.

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