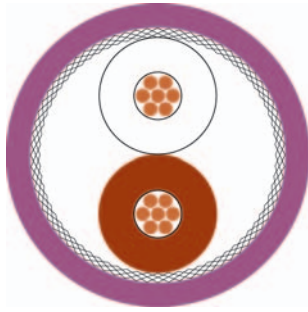


# BUS Cables

## CAN Bus



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 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 satisfy 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.

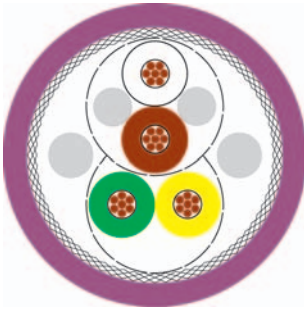
R

# BUS Cables

## CAN Bus



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 mm<sup>2</sup> (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 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  
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 see this type. For cable lengths up to max. 40m (observe CAN specifications).

### Part no.

**82509**, CAN BUS

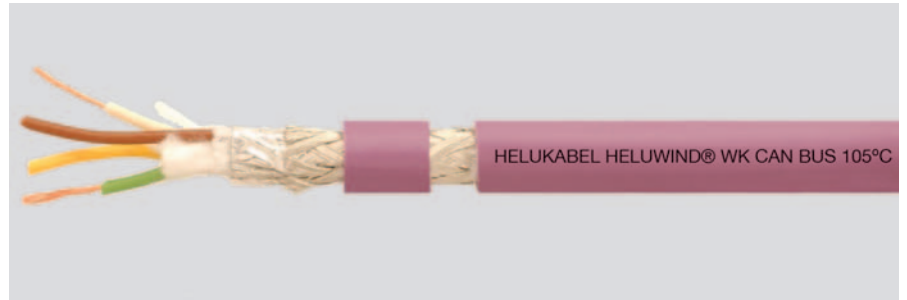
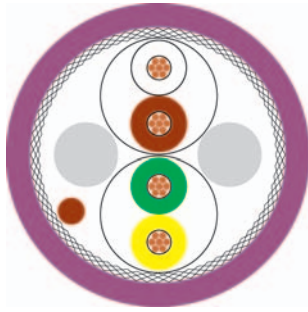
Dimensions and specifications may be changed without prior notice.

# BUS Cables

CAN Bus

**HELUKABEL®**

fixed installed, 105°C



## 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:

## Industrial Area

### 2x2xAWG 24/ 19 mm<sup>2</sup> (stranded)

Copper, bare (AWG 24/19)  
XLPE ray cross-linking  
wh/bn, gn/ye  
Double core  
Polyester foil over stranded bundle  
-  
Cu braid, tinned  
PUR  
app. 8,4 mm ± 0,3 mm  
Violet similar to RAL 4001

## Electrical data

Characteristic impedance: 120 Ohm ± 10 %  
Conductor resistance, max.: 87,2 Ohm/km  
Insulation resistance, min.: 1 GOhm x km  
Loop resistance: 174 Ohm/km max.  
Mutual capacitance: 42 nF/km nom.  
Nominal voltage: 600 V  
Test voltage: 2,5 kV

## Technical data

Weight: app. 80 kg/km  
bending radius, repeated: 126 mm  
Operating temperature range min.: -40°C  
Operating temperature range max.: +105°C \*  
Caloric load, approx. value: 1,31 MJ/m  
Copper weight: 40,00 kg/km

## Norms

Applicable standards: CAN Bus acc. to ISO 11898-2  
Halogen-free acc. to 60754-2  
Flame-retardant acc. to IEC 60332-1  
UL/CSA 21223 80°C, 600V

UL Style:

## Application

HELUKABEL® CAN Bus for fixed installation up to 105°C in difficult industrial environments with demanding temperature requirements thanks to cross-linking of the conductor insulation. Thanks to use a PU sheath, this version is also halogen-free. For cable lengths up to max. 40m (observe CAN specifications).

## Part no.

**801982**, CAN BUS

Dimensions and specifications may be changed without prior notice.

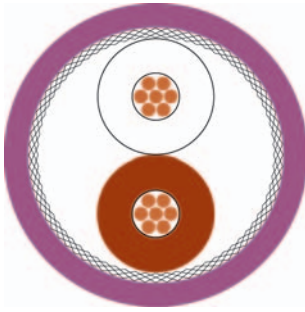
R

# BUS Cables

## CAN Bus



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 1x2x0.34 mm<sup>2</sup> (stranded)

Copper, bare (AWG 22/7)  
Cell PE  
wh/bn  
Double core  
Polyester foil over stranded bundle  
-  
Cu braid, tinned  
PVC  
app. 6,5 mm ± 0,2 mm  
Violet similar to RAL 4001

### Fixed installation, indoor 4x1x0.34 mm<sup>2</sup> (stranded)

Copper, bare (AWG 22/7)  
Cell PE  
wh/bn, gn/ye  
Star quad  
Polyester foil over stranded bundle  
-  
Cu braid, tinned  
PVC  
app. 8,0 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 %  
57 Ohm/km  
5 GOhm x km  
114 Ohm/km max.  
58 nF/km nom.  
30 V  
2 kV

120 Ohm ± 10 %  
57 Ohm/km  
5 GOhm x km  
114 Ohm/km max.  
40 nF/km nom.  
30 V  
2 kV

### Technical data

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

app. 65 kg/km  
98 mm  
-30°C  
+70°C  
1,109 MJ/m  
23,00 kg/km

app. 77 kg/km  
120 mm  
-30°C  
+70°C  
1,179 MJ/m  
30,00 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 a star-quad twisting, i.e. diagonal conductors form an electrical pair and satisfy the requirements of the CAN standard. For cable lengths up to max. 40m (observe CAN specifications).

### Part no.

**801572**, CAN BUS

**801573**, CAN BUS

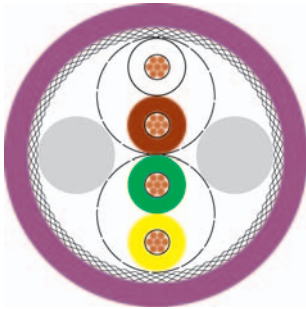
Dimensions and specifications may be changed without prior notice.

# BUS Cables

CAN Bus



fixed installed



## Type Cable structure

Inner conductor Ø:  
Core insulation:  
Core colours:  
Stranding element:  
Shielding 1:  
Shielding 2:  
Total shielding:  
Outer sheath material:  
Cable external diameter:  
Outer sheath colour:

## Fixed installation, indoor 2x2x0.34 mm<sup>2</sup> (stranded)

Copper, bare (AWG 22/7)  
Foam-skin-PE  
wh/bn, gn/ye  
Double core  
Polyester foil over stranded bundle  
-  
Cu braid, tinned  
PVC  
app. 8,5 mm ± 0,3 mm  
Violet similar to RAL 4001

## Electrical data

Characteristic impedance: 120 Ohm ± 10 %  
Conductor resistance, max.: 55,4 Ohm/km  
Insulation resistance, min.: 5 GOhm x km  
Loop resistance: 110 Ohm/km max.  
Mutual capacitance: 40 nF/km nom.  
Nominal voltage: 250 V  
Test voltage: 1,5 kV

## Technical data

Weight: app. 85 kg/km  
bending radius, repeated: 130 mm  
Operating temperature range min.: -40°C  
Operating temperature range max.: +70°C  
Caloric load, approx. value: 1,32 MJ/m  
Copper weight: 46,00 kg/km

## Norms

Applicable standards: CAN Bus acc. to ISO 11898-2  
Flame-retardant acc. to IEC 60332-1  
UL Style: CMX 75°C (shielded)  
CSA standard: CSA FT1

## Application

HELUKABEL® CAN Bus for fix installations an 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 801573. In the event of diameter problems, please see this type. For cable lengths up to max. 40m (observe CAN specifications).

## Part no.

803344, CAN BUS

Dimensions and specifications may be changed without prior notice.

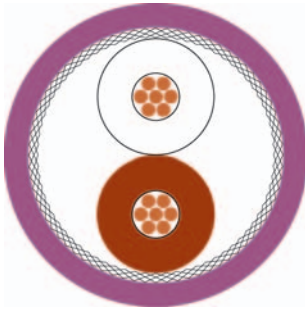
R

# BUS Cables

CAN Bus



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 1x2x0.50 mm<sup>2</sup> (stranded)

Copper, bare (AWG 20/7)  
Foam-skin-PE  
wh/bn  
Double core  
Polyester foil over stranded bundle  
-  
Cu braid, tinned  
PVC  
app. 7,0 mm ± 0,2 mm  
Violet similar to RAL 4001

## Fixed installation, indoor 4x1x0.50 mm<sup>2</sup> (stranded)

Copper, bare (AWG 20/7)  
Foam-skin-PE  
wh, bn, gn, ye  
Star quad  
Polyester foil over stranded bundle  
-  
Cu braid, tinned  
PVC  
app. 8,5 mm ± 0,2 mm  
Violet similar to RAL 4001

## Electrical data

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

120 Ohm ± 10 %  
33 Ohm/km  
1 GOhm x km  
66 Ohm/km max.  
40 nF/km nom.  
1,5 kV

120 Ohm ± 10 %  
37 Ohm/km  
1 GOhm x km  
74 Ohm/km max.  
44 nF/km nom.  
1,5 kV

## Technical data

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

app. 69 kg/km  
100 mm  
-40°C  
+70°C  
1,09 MJ/m  
30,00 kg/km

app. 100 kg/km  
130 mm  
-40°C  
+70°C  
1,64 MJ/m  
45,00 kg/km

## Norms

Applicable standards:

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 occasion motion, for normal requirements. The 2-pair version is designed with star-quad twisting, i.e. diagonal conductors form an electrical pair and satisfy the requirements of the CAN standard. For cable lengths up to 600m (observe CAN specifications).

## Part no.

800571, CAN BUS

800685, CAN BUS

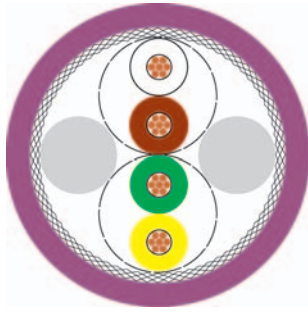
Dimensions and specifications may be changed without prior notice.

# BUS Cables

CAN Bus



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 2x2x0.50 mm<sup>2</sup> (stranded)

Copper, bare (AWG 20/7)  
Foam-skin-PE  
wh/bn, gn/ye  
Double core  
Polyester foil over stranded bundle  
-  
Cu braid, tinned  
PVC  
app. 9,6 mm ± 0,3 mm  
Violet similar to RAL 4001

## Electrical data

Characteristic impedance: 120 Ohm ± 10 %  
Conductor resistance, max.: 34,4 Ohm/km  
Insulation resistance, min.: 5 GOhm x km  
Loop resistance: 68 Ohm/km max.  
Mutual capacitance: 40 nF/km nom.  
Nominal voltage: 250 V  
Test voltage: 1,5 kV

## Technical data

Weight: app. 116 kg/km  
bending radius, repeated: 150 mm  
Operating temperature range min.: -40°C  
Operating temperature range max.: +70°C  
Caloric load, approx. value: 1,62 MJ/m  
Copper weight: 60,00 kg/km

## Norms

Applicable standards: CAN Bus acc. to ISO 11898-2  
Flame-retardant acc. to IEC 60332-1  
UL Style: CMX 75°C (shielded)  
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 800685. In the event of diameter problems, please see this type. For cable lengths up to 600m (observe CAN specifications).

## Part no.

803722, CAN BUS

Dimensions and specifications may be changed without prior notice.

R

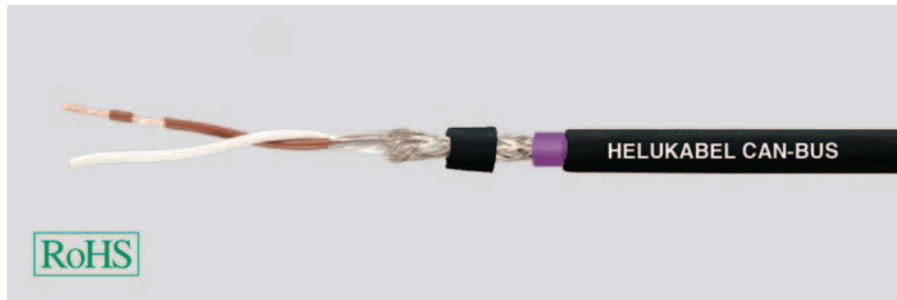
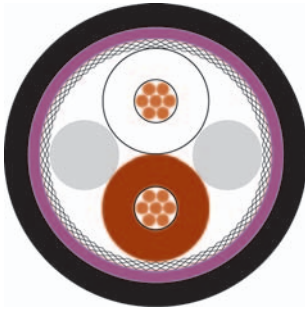


# BUS Cables

CAN Bus



direct Burial



## Type Cable structure

Inner conductor diameter:  
Core insulation:  
Core colours:  
Stranding element:  
Shielding 1:  
Inner sheath material:  
Shielding 2:  
Total shielding:  
Armouring:  
Outer sheath material:  
Cable external diameter:  
Outer sheath colour:

## Direct burial 1x2x0.50 mm<sup>2</sup> (stranded)

Copper, bare (AWG 20/7)  
Foam-skin-PE  
wh/bn  
2 cores + 2 fillers stranded together  
Polyester foil over stranded bundle  
PVC  
-  
Cu braid, tinned  
PET/PA tape  
PE  
app. 9,2 mm ± 0,4 mm  
Black similar to RAL 9005

## Direct burial 4x1x0.50 mm<sup>2</sup> (stranded)

Copper, bare (AWG 20/7)  
Foam-skin-PE  
wh, bn, gn, ye  
Star quad  
Polyester foil over stranded bundle  
PVC  
-  
Cu braid, tinned  
PET/PA tape  
PE  
app. 9,7 mm ± 0,4 mm  
Black similar to RAL 9005

## Electrical data

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

120 Ohm ± 10 %  
37 Ohm/km  
1 GOhm x km  
74 Ohm/km max.  
40 nF/km nom.  
1,5 kV

120 Ohm ± 10 %  
36,4 Ohm/km  
1 GOhm x km  
72 Ohm/km max.  
44 nF/km nom.  
1,5 kV

## Technical data

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

app. 105 kg/km  
150 mm  
-40°C  
+70°C  
2,05 MJ/m  
33,00 kg/km

app. 115 kg/km  
160 mm  
-40°C  
+70°C  
2,18 MJ/m  
45,00 kg/km

## Norms

Applicable standards:

CAN Bus acc. to ISO 11898-2

CAN Bus acc. to ISO 11898-2

## Application

HELUKABEL® CAN Bus Direct Burial is suitable for fixed outdoor installation or direct burial applications. The 2-pair version is designed with star-quad twisting, i.e. diagonal conductors form an electrical pair and satisfy the requirements of the CAN standard. For cable lengths up to 600m (observe CAN specifications).

## Part no.

804268, CAN BUS

804269, CAN BUS

Dimensions and specifications may be changed without prior notice.

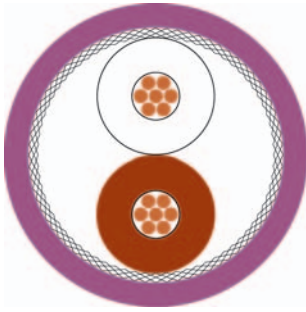


# BUS Cables

CAN Bus



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 1x2x0.75 mm<sup>2</sup> (stranded)

Copper, bare (AWG 18/24)  
Foam-skin-PE  
wh/bn  
Double core  
Polyester foil over stranded bundle  
-  
Cu braid, tinned  
PVC  
app. 8,3 mm ± 0,3 mm  
Violet similar to RAL 4001

## Fixed installation, indoor 4x1x0.75 mm<sup>2</sup> (stranded)

Copper, bare (AWG 18/24)  
Foam-skin-PE  
wh, bn, gn, ye  
Star quad  
Polyester foil over stranded bundle  
-  
Cu braid, tinned  
PVC  
app. 8,8 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 %  
27,5 Ohm/km  
1 GOhm x km  
55 Ohm/km max.  
42 nF/km nom.  
300 V  
1,5 kV

120 Ohm ± 15 %  
27,5 Ohm/km  
1 GOhm x km  
55 Ohm/km max.  
42 nF/km nom.  
300 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. 101 kg/km  
110 mm  
-40°C  
+70°C  
1,67 MJ/m  
40,00 kg/km

app. 112 kg/km  
110 mm  
-40°C  
+70°C  
1,76 MJ/m  
58,00 kg/km

## Norms

Applicable standards:

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

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

## Application

HELUKABEL® CAN Bus for fix installation and occasion motion, for normal requirements. The 2-pair version is designed with star-quad twisting, i.e. diagonal conductors form an electrical pair and satisfy the requirements of the CAN standard. For cable lengths over 600m (observe CAN specifications).

## Part no.

803383, CAN BUS

803384, CAN BUS

Dimensions and specifications may be changed without prior notice.

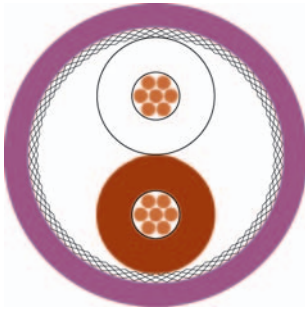
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# BUS Cables

CAN Bus



Drag Chain



## 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:

## Drag chain applications 1x2x0.25 mm<sup>2</sup> (stranded)

Copper, bare (AWG 24/19)  
PE  
wh/bn  
Double core  
Polyester foil over stranded bundle  
-  
Cu braid, tinned  
PUR  
app. 6,1 mm ± 0,3 mm  
Violet similar to RAL 4001

## Drag chain applications 4x1x0.25 mm<sup>2</sup> (stranded)

Copper, bare (AWG 24/19)  
PE  
wh, bn, gn, ye  
Star quad  
Polyester foil over stranded bundle  
-  
Cu braid, tinned  
PUR  
app. 6,5 mm ± 0,3 mm  
Violet similar to RAL 4001

## Electrical data

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

120 Ohm ± 10 %  
74 Ohm/km  
1 GOhm x km  
148 Ohm/km max.  
50 nF/km nom.  
1,5 kV

120 Ohm ± 10 %  
85 Ohm/km  
1 GOhm x km  
170 Ohm/km max.  
50 nF/km nom.  
1,5 kV

## Technical data

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

app. 40 kg/km  
90 mm  
-40°C  
+70°C  
0,798 MJ/m  
18,00 kg/km

app. 45 kg/km  
95 mm  
-30°C  
+70°C  
0,943 MJ/m  
25,00 kg/km

## Norms

Applicable standards:

CAN Bus acc. to ISO 11898-2  
Halogen-free acc. to 60754-2

CAN Bus acc. to ISO 11898-2  
Halogen-free acc. to 60754-2

## Application

HELUKABEL® CAN Bus is designed for guided continuous motion in cable carriers. The 2-pair version is designed with a star-quad twisting, i.e. diagonal conductors form an electrical pair and satisfy the requirements of the CAN standard. For cable lengths up to max. 40m (observe CAN specifications).

## Part no.

**81911**, CAN BUS, highly flexible

**81912**, CAN BUS, highly flexible

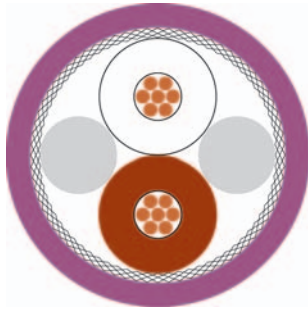
Dimensions and specifications may be changed without prior notice.

# BUS Cables

CAN Bus



Drag Chain, UL



## 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:

## 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  
170 Ohm/km max.  
40 nF/km nom.  
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 60754-2  
Flame-retardant acc. to IEC 60332-1  
CMX 444

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Halogen-free acc. to 60754-2  
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UL Style:

## 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 satisfy 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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