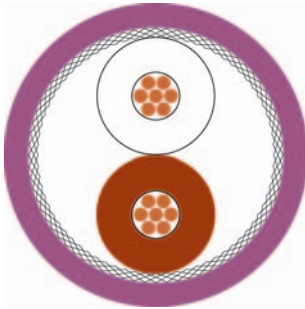


BUS Cables

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 mm² (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 mm² (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.