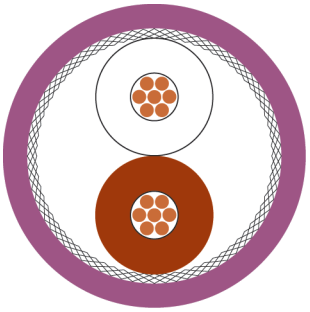
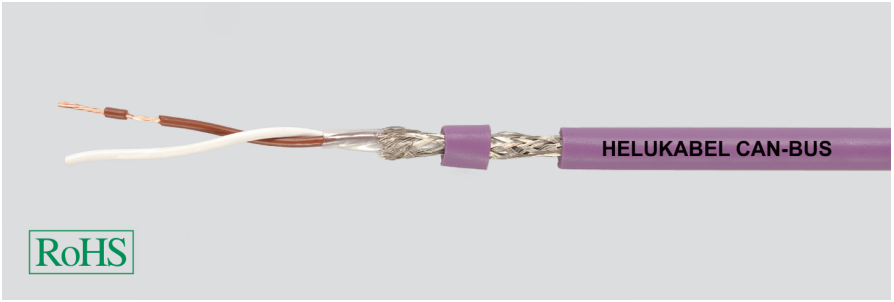
BUS Cables

CAN Bus Drag Chain

HELUKABEL®

PUR





Type Cable structure	Drag Chain applications 1x2x0.25 mm² (stranded)	Drag Chain applications 4x1x0.25 mm² (stranded)
Inner conductor diameter:	Copper, bare (AWG 24/19)	Copper, bare (AWG 24/19)
Core insulation:	PE	PE
Core colours:	wh/bn	wh, bn, gn, ye
Stranding element:	Double core	Star quad
Separator:	Polyester foil over stranded bundle	Polyester foil over stranded bundle
Shielding 1:	-	-
Total shielding:	Cu braid, tinned	Cu braid, tinned
Outer sheath material:	PUR	PUR
Cable external diameter:	app. 6,1 mm ± 0,3 mm	app. 6,5 mm ± 0,3 mm
Outer sheath colour:	Violet similar to RAL 4001	Violet similar to RAL 4001

Electrical data

Characteristic impedance:	120 Ohm ± 10 %	120 Ohm ± 10 %
Conductor resistance, max.:	87,6 Ohm/km	85 Ohm/km
Insulation resistance, min.:	1 GOhm x km	1 GOhm x km
Loop resistance:	175 Ohm/km max.	170 Ohm/km max.
Mutual capacitance:	50 nF/km nom.	50 nF/km nom.
Test voltage:	1,5 kV	1,5 kV

Technical data

Weight:	app. 40 kg/km	app. 45 kg/km
bending radius, repeated:	90 mm	95 mm
Operating temperature range min.:	-40°C	-30°C
Operating temperature range max.:	+70°C	+70°C
Caloric load, approx. value:	0,798 MJ/m	0,943 MJ/m
Copper weight:	18,00 kg/km	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 continous 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.