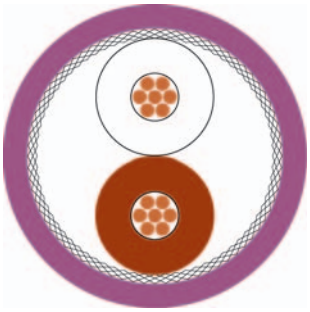
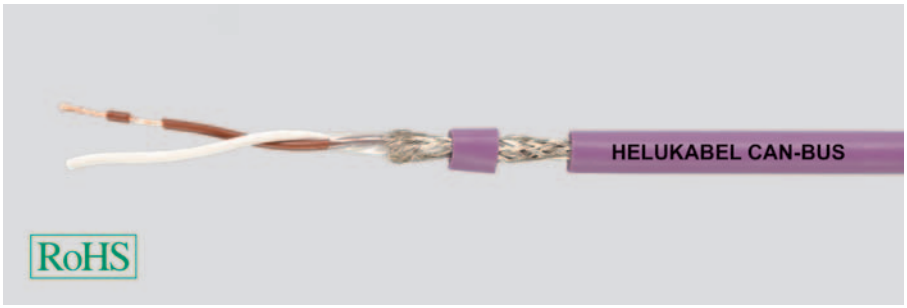
BUS Cables

CAN Bus

HELUKABEL

Drag Chain





Type	Drag chain applications 1x2x0.25 mm² (stranded)	Drag chain applications 4x1x0.25 mm² (stranded)
Cable structure		
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
Shielding 1:	Polyester foil over stranded bundle	Polyester foil over stranded bundle
Shielding 2:	-	-
Total shielding:	Cu braid, tinned	Cu braid, tinned
Outer sheath material:	PUR	PUR
Cable external diameter:	approx. 6,2 mm ± 0,3 mm	approx. 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.:	85 Ohm/km	85 Ohm/km
Insulation resistance, min.:	1 GOhm x km	1 GOhm x km
Loop resistance:	170 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:	approx. 40 kg/km	approx. 45 kg/km
bending radius, repeated:	90 mm	95 mm
Operating temperature range min.:	-20°C	-20°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:	Profibus acc. to DIN 19245 T3 and EN50170	Profibus acc. to DIN 19245 T3 and EN50170

Application

The CAN bus series (control area network) is a variable field bus system. In the area of automation technology, complex controllers and control units are networked. Industries, such as the textile or construction machine industry and the medical technology, use this series. The lines specified here are designed for highly flexible applications. This is also a very economical solution of a BUS system.

Part no.		
	81911, CAN BUS, highly flexible	**81912,** CAN BUS, highly flexible

Dimensions and specifications may be changed without prior notice.