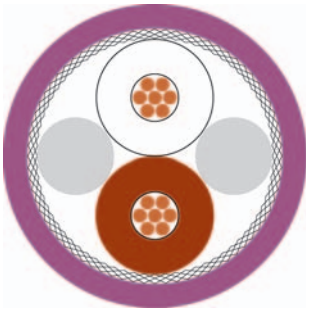
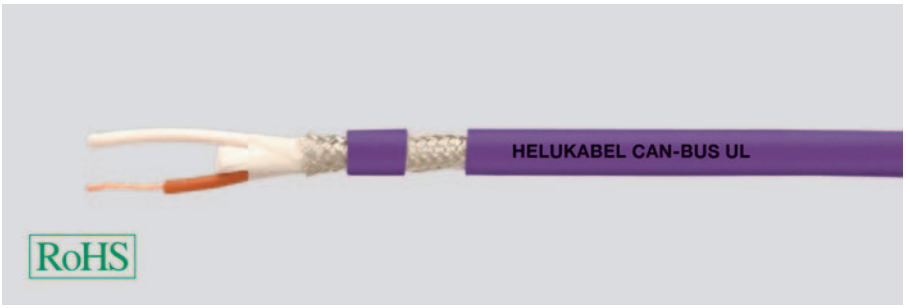
Bus Cables

CAN Bus

HELUKABEL

Drag Chain, UL





Type Cable structure	Drag chain applications 1x2x0.34 mm² (stranded)	Drag chain applications 4x1x0.34 mm² (stranded)
Inner conductor diameter:	Copper, bare (AWG 22/43)	Copper, bare (AWG 22/43)
Core insulation:	Foam-skin-PE	Foam-skin-PE
Core colours:	wh/bn	wh/bn, gn/ye
Stranding element:	2 cores + 2 fillers stranded together	Star quad
Shielding 1:	-	-
Shielding 2:	-	-
Total shielding:	Cu braid, tinned	Cu braid, tinned
Outer sheath material:	PUR	PUR
Cable external diameter:	approx. 6,9 mm ± 0,3 mm	approx. 7,5 mm ± 0,3 mm
Outer sheath colour:	Violet similar to RAL 4001	Violet similar to RAL 4001
Electrical data		
Characteristic impedance:	120 Ohm ± 15 %	120 Ohm ± 15 %
Conductor resistance, max.:	56 Ohm/km	56 Ohm/km
Insulation resistance, min.:	5 GOhm x km	5 GOhm x km
Loop resistance:	170 Ohm/km max.	170 Ohm/km max.
Mutual capacitance:	40 nF/km nom.	40 nF/km nom.
Nominal voltage:	250 V	250 V
Test voltage:	1,5 kV	1,5 kV
Technical data		
Weight:	approx. 54 kg/km	approx. 64 kg/km
bending radius, repeated:	105 mm	130 mm
Operating temperature range min.:	-30°C	-30°C
Operating temperature range max.:	+70°C	+70°C
Caloric load, approx. value:	1,20 MJ/m	1,20 MJ/m
Copper weight:	30,00 kg/km	42,00 kg/km
Norms		
Applicable standards:	Profibus acc. to DIN 19245 T3 and EN50170	Profibus acc. to DIN 19245 T3 and EN50170
UL Style:	CMX 444	CMX 444

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 where also a UL Certificate is required.

Part no.		
	802182, CAN BUS, highly flexible	**802339,** CAN BUS, highly flexible

Dimensions and specifications may be changed without prior notice.