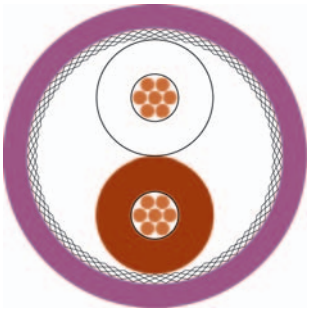
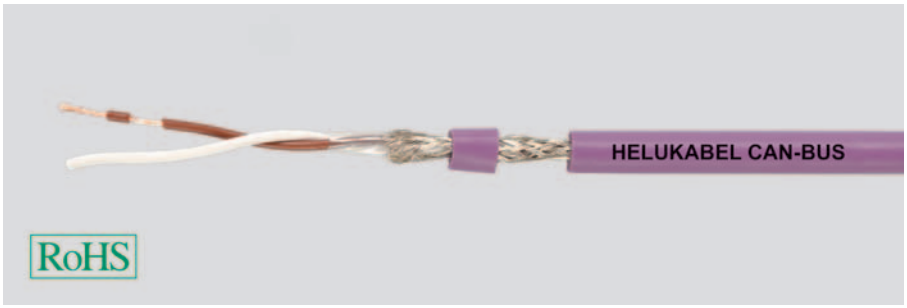
BUS Cables

CAN Bus

HELUKABEL
fixed installed





Type	Fixed installation, indoor	Fixed installation, indoor
Cable structure	**1x2x0.50 mm² (stranded)**	**4x1x0.50 mm² (stranded)**
Inner conductor diameter:	Copper, bare (AWG 20/7)	Copper, bare (AWG 20/7)
Core insulation:	Foam-skin-PE	Foam-skin-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:	PVC	PVC
Cable external diameter:	approx. 7,0 mm ± 0,2 mm	approx. 8,5 mm ± 0,2 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.:	37 Ohm/km	37 Ohm/km
Insulation resistance, min.:	1 GOhm x km	1 GOhm x km
Loop resistance:	74 Ohm/km max.	74 Ohm/km max.
Mutual capacitance:	50 nF/km nom.	65 nF/km nom.
Test voltage:	1,5 kV	1,5 kV
Technical data		
Weight:	approx. 69 kg/km	approx. 100 kg/km
bending radius, repeated:	105 mm	128 mm
Operating temperature range min.:	-40°C	-40°C
Operating temperature range max.:	+70°C	+70°C
Caloric load, approx. value:	1,09 MJ/m	1,64 MJ/m
Copper weight:	30,00 kg/km	45,00 kg/km
Norms		
Applicable standards:	Profibus acc. to DIN 19245 T3 and EN50170	Profibus acc. to DIN 19245 T3 and EN50170
UL Style:	UL Style 2571	UL Style 2571

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 above mentioned types are suitable for fixed laying in indoor applications. This is also a very economical solution of a BUS system.

Part no.		
	800571, CAN BUS	**800685,** CAN BUS

Dimensions and specifications may be changed without prior notice.