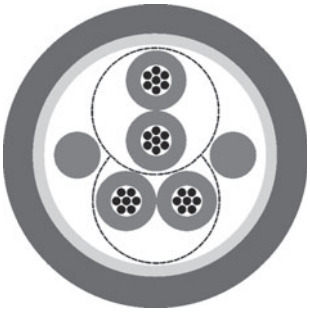
BUS Cables

CAN Bus

HELUKABEL®
fixed installed

new



Type
Cable structure

Fixed installation, indoor
2x2x0.22 mm² (stranded)

Inner conductor diameter:	Copper, bare (AWG 24/7)
Core insulation:	Cell PE
Core colours:	wh/bn, gn/ye
Stranding element:	2 cores + 2 fillers stranded together
Shielding 1:	Polyester foil over stranded bundle
Shielding 2:	-
Total shielding:	Cu braid, tinned
Outer sheath material:	PVC
Cable external diameter:	approx. 7,5 mm ± 0,3 mm
Outer sheath colour:	Violet similar to RAL 4001

Electrical data

Characteristic impedance:	120 Ohm ± 10 %
Conductor resistance, max.:	87,6 Ohm/km
Insulation resistance, min.:	5 GOhm x km
Loop resistance:	174 Ohm/km max.
Mutual capacitance:	40 nF/km nom.
Nominal voltage:	30 V
Test voltage:	1,5 kV

Technical data

Weight:	approx. 60 kg/km
Min. bending radius for laying:	113 mm
Operating temperature range min.:	-25°C
Operating temperature range max.:	+70°C
Caloric load, approx. value:	1,13 MJ/m
Copper weight:	32,00 kg/km

Norms

Applicable standards:	Profibus acc. to DIN 19245 T3 and EN50170
UL Style:	UL Style 2571
CSA standard:	CSA FT1

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.

82509, CAN BUS

Dimensions and specifications may be changed without prior notice.