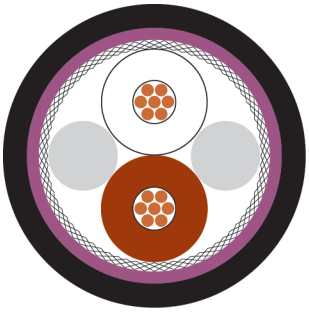
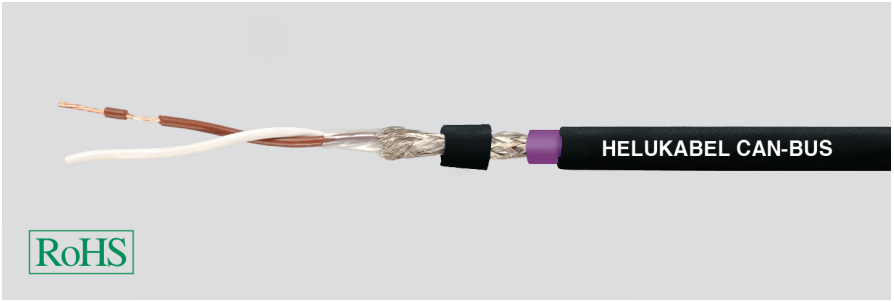
BUS Cables

CAN Bus direct Burial

HELUKABEL®

PE





Type	Direct burial	Direct burial
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:	2 cores + 2 fillers stranded together	Star quad
Separator:	Polyester foil over stranded bundle	Polyester foil over stranded bundle
Inner sheath material:	PVC	PVC
Shielding 1:	-	-
Total shielding:	Cu braid, tinned	Cu braid, tinned
Armouring:	PET/PA tape	PET/PA tape
Outer sheath material:	PE	PE
Cable external diameter:	app. 9,2 mm ± 0,4 mm	app. 9,7 mm ± 0,4 mm
Outer sheath colour:	Black similar to RAL 9005	Black similar to RAL 9005
Electrical data		
Characteristic impedance:	120 Ohm ± 10 %	120 Ohm ± 10 %
Conductor resistance, max.:	37 Ohm/km	36,4 Ohm/km
Insulation resistance, min.:	1 GOhm x km	1 GOhm x km
Loop resistance:	74 Ohm/km max.	72 Ohm/km max.
Mutual capacitance:	40 nF/km nom.	44 nF/km nom.
Test voltage:	1,5 kV	1,5 kV
Technical data		
Weight:	app. 105 kg/km	app. 115 kg/km
bending radius, repeated:	150 mm	160 mm
Operating temperature range min.:	-40°C	-40°C
Operating temperature range max.:	+70°C	+70°C
Caloric load, approx. value:	2,05 MJ/m	2,18 MJ/m
Copper weight:	33,00 kg/km	45,00 kg/km
Norms		
Applicable standards:	CAN Bus acc. to ISO 11898-2	CAN Bus acc. to ISO 11898-2

Application

HELUKABEL® CAN Bus Direct Burial is suitable for fixed outdoor installation or direct burial applications. The 2-pair version is designed with star-quad twisting, i.e. diagonal conductors form an electrical pair and meets the requirements of the CAN standard. For cable lengths up to 600m (observe CAN specifications).

Part no.		
	804268, CAN BUS	**804269,** CAN BUS

Dimensions and specifications may be changed without prior notice.