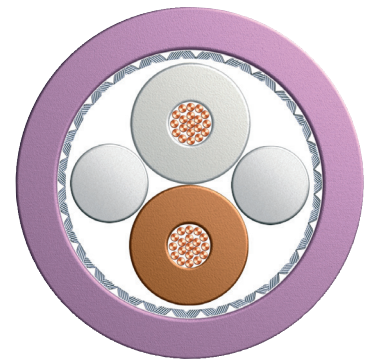




CAN Bus *Dual Shield*

For Indoor Application 1x2x0,75mm² LSZH



Application

Controller Area Network (CAN) serves as variable fieldbus system for industry, in automation complex sensors, actuators and control units. The cable is applicable for fixed installation in dry rooms where protection against fire is required.

Cable Design

Conductor:	Stranded plain copper wire, VDE cl. 5
Insulation:	FS-PE Ø 3,0 ± 0,05 mm
Core identification:	white, brown
Foil Shield:	Aluminium/polyester tape
Drain Wire:	Stranded tinned copper
Braid Shield:	Tinned Copper Wire Braid 0,10 mm
Sheath material:	LSZH FireFighter® Ø 8,70 mm nom.
Sheath colour:	violet, RAL 4001

Standards

- ISO 11898 ; EN 50170
- Fire Retardant acc. to IEC 60332-3-24
- CPR : Dca-s2,d2,a1

Electrical Characteristics

loop resistance max.	max. 52 Ω / km
Insulation resistance min.	min. 1 GΩ x km at +20°C
Operating capacity	nom. 40 nF / km
Impedance	120 Ω ± 18 Ω
Test voltage	1500 V / AC
Nominal voltage U ₀ /U	125 V
NVP	nom. 0,76 c
Signal delay	max. 440 ns/100m
Coupling resistance	< 250 mΩ/m at 30MHz





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Mechanical & Thermal Characteristics

Temperature range stationary	-30°C to +70°C
Temperature range during installation	0°C to +50°C
Max. Bending radius installed	5 x diameter
Max. Bending radius moved	10 x diameter
Max. Traction	160 N
Weight	108 kg/km

Specification

Part Number	Type
CNB175-UAZH-22	1x2x0.75mm ² CANBus <120ohm> LSZH FireFighter® <UV acc. ISO 4892-2/A> IEC60332-3-24, CPR Dca-s2,d2,a1. Violet

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