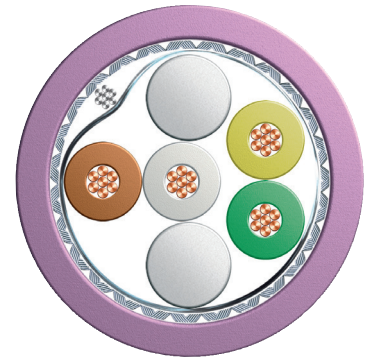




CAN Bus *Dual Shield*

For Indoor Application 2x2x0,22mm² 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, AWG 22mm ²
Insulation:	FS-PE Ø 1,30 mm
Core identification:	wh, bn, ye, gn
Foil Shield:	Aluminium/polyester tape
Drain Wire:	Stranded tinned copper 7/0,2mm
Braid Shield:	Tinned Copper Wire Braid 0,10 mm
Sheath material:	LSZH FireFighter® Ø 7,50 mm nom.
Sheath color:	violet, RAL 4001



Standards

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

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	140 N
Weight	78 kg/km



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Electrical Data @ 20°C

Conductor resistance	≤	87,6	Ohm/km
Insulation resistance	≥	5	GOhm*km
Capacitance (1 kHz)	≈	40	nF/km
Characteristic Impedance	1	MHz	120±15 Ohm
Near-end crosstalk attenuation	20	MHz	40 dB
Surface Transfer Impedance	30	MHz	≤ 250 mOhm/m
Relative velocity of propagation	≈	76	%
Operating voltage (peak)	≤	250	V
Test voltage (wire/wire rms 50Hz 1 min)		1500	V
Test voltage (wire/screen rms 50Hz 1 min)		1000	V

Frequency (MHz)	0,1	1	5	10	20
Attenuation typ. Value (dB/100m)	0,6	1,7	3,9	5,6	8,1

Specification

Part Number	Type
CNB222-UAZH-22	2x2x0.22mm ² CANBus <120ohm> LSZH FireFighter® <UV acc. ISO 4892-2/A> IEC60332-3-24, CPR Dca, s2, d2, a1. Violet

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