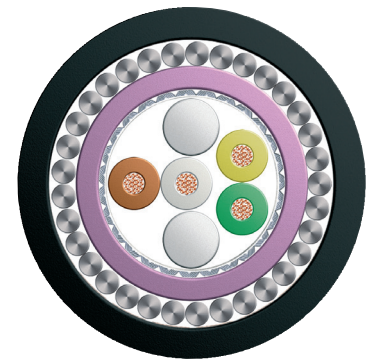


# CAN Bus *DataGuard*<sup>®</sup> Armoured

For Indoor/Outdoor Applications 2x2x0,50mm<sup>2</sup> 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 outdoor areas, direct burial, rodent protection and where mechanical protection is required.



## Cable Design

Conductor:	Stranded plain copper wire, VDE cl. 5
Insulation:	FS-PE Ø 2,10 ± 0,05 mm
Core identification:	wh, bn, ye, gn
Screen:	Tinned Copper Wire Braid 0,10 mm
Inner Jacket:	LSZH FireFighter <sup>®</sup> Ø 11,0 mm nom.
Armour:	DataGuard <sup>®</sup> Steel Wire Armour (SWA)
Outer Jacket:	LSZH FireFighter <sup>®</sup> Ø 14,80 mm nom.

## Standards

- ISO 11898 ; EN 50170
- Fire Retardant acc. to IEC 60332-3-24

## Electrical Characteristics

loop resistance max.	max. 79 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 <sub>0</sub> /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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## Specification

Part Number	Type
CNB250-WAZH	2x2x0.5mm <sup>2</sup> CANBus <120ohm> LSZH FireFighter® DataGuard® Armoured (SWA) <UV acc. ISO 4892-2/A> IEC60332-3-24 Black



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