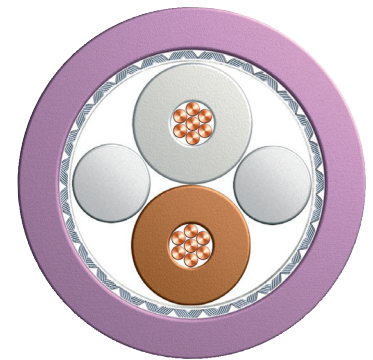


CAN Bus

For Indoor Application 1x2x0,5mm² 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 22/7 |
| Insulation: | FS-PE Ø 2,40 ± 0,05 mm |
| Core identification: | white, brown |
| Screen: | Tinned Copper Wire Braid 0,10 mm |
| Sheath material: | LSZH FireFighter® Ø 7,60 mm nom. |
| Sheath colour: | violet, RAL 4001 |

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 ₀ /U | 125 V |
| NVP | nom. 0,76 c |
| Signal delay | max. 440 ns/100m |
| Coupling resistance | < 250 mΩ/m at 30MHz |



CAN Bus

For Indoor Application 1x2x0,5mm² LSZH

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 | 90 kg/km |

Specification

| Part Number | Type |
|-------------|--|
| CNB150-UAZH | 1x2x0.5mm ² CANBus <120ohm> LSZH FireFighter® <UV acc. ISO 4892-2/A> IEC60332-3-24 Violet |

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