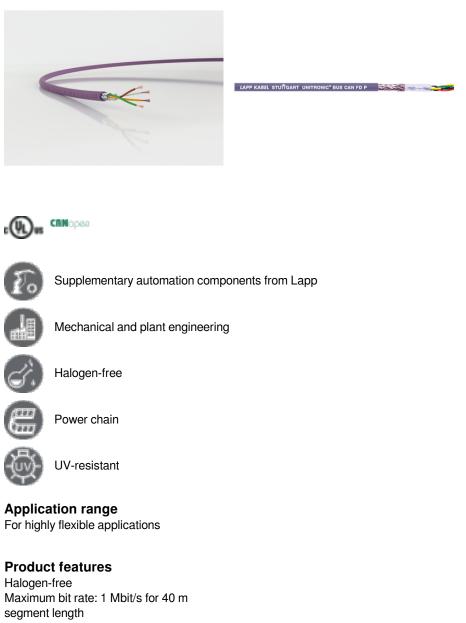


UNITRONIC® BUS CAN FD P

CAN Buscables for high flexible application - UL/SCA certified

For CAN based communication systems like CANopen. Halogen free, flame retardant acc. to IEC 60332-1-2, temperature range from -40°C bis +80°C



Larger conductor cross-section is necessary with increasing length. Refer to the table below (reference values from ISO 11898). ISO 11898 makes recommendations for the segment length, cable cross section and bit rate Flame-retardant according IEC 60332-1-2

Norm references / Approvals

Standardised internationally in ISO 11898 UL/CSA type CMX (UL 444)

Last Update (06.01.2025) ©2025 Lapp Group - Technical changes reserved Product Management www.lappkabel.de You can find the current technical data in the corresponding data sheet. PN 0456 / 02_03.16



UNITRONIC® BUS CAN FD P

Product Make-up

Stranded bare conductor Core insulation: foam skin Copper braid Outer sheath: PUR, violet (RAL 4001) UV-resistant (but colour may change after some time)

Technical Data

Classification ETIM 5:

Classification ETIM 6:

Mutual capacitance: Peak operating voltage:

Conductor resistance:

Minimum bending radius:

Test voltage:

Characteristic impedance:

Temperature range:

ETIM 5.0 Class-ID: EC000830 ETIM 5.0 Class-Description: Data cable ETIM 6.0 Class-ID: EC000830 ETIM 6.0 Class-Description: Data cable (800 Hz) max. 40 nF/km 250 V (not for power transmission) (loop): max. 159.8 ohm/km Flexing: 15 x outer diameter Core/core: 1500 V rms 120 ohm

Fixed installation: -40°C to +80°C Flexing: -30°C to +70°C

Note

Unless specified otherwise, the shown product values are nominal values. Detailed values (e.g. tolerances) are available upon request.

Copper price basis: EUR 150/100 kg. Refer to catalogue appendix T17 for the definition and calculation of copper-related surcharges.

Please find our standard lengths at: www.lappkabel.de/en/cable-standardlengths

Packaging size: coil \leq 30 kg or \leq 250 m, otherwise drum

Please specify the preferred type of packaging (e.g. 1×500 m drum or 5×100 m coils).

Photographs and graphics are not to scale and do not represent detailed images of the respective products.

Prices are net prices without VAT and surcharges. Sale to business customers only.

| Last Update (06.01.2025) ©2025 Lapp Group - Technical changes Product Management www.lappkabel.de | Article number | Article designation | Number of pairs/conductor cross section (mm ²) | Outer diameter [mm] | Conductor resistance | Copper index (kg/km) | Weight (kg/km) |
|---|---|----------------------------|--|---------------------|----------------------|----------------------|----------------|
| late Man | For highly flexible applications (power chains, moving machine parts) | | | | | | |
| (06.01. Group hageme | 2170272 | UNITRONIC® BUS CAN FD P | 1 x 2 x 0.25 | 6.4 | 159.8 | 24 | 40 |
| .2025) 5 - Techi ent www | 2170273 | UNITRONIC® BUS CAN FD P | 2 x 2 x 0.25 | 8.4 | 159.8 | 33 | 65 |
| 025) Technical changes : www.lappkabel.de | 2170275 | UNITRONIC® BUS CAN FD P | 1 x 2 x 0.34 | 6.8 | 122 | 32.8 | 60 |
| langes abel.de | 2170276 | UNITRONIC® BUS CAN FD P | 2 x 2 x 0.34 | 9.6 | 122 | 52.4 | 88 |
| reserved | 2170278 | UNITRONIC® BUS CAN FD P | 1 x 2 x 0.5 | 8 | 72.8 | 41.9 | 74 |
| arved corresponding data sheet. | 2170279 | UNITRONIC® BUS CAN FD P | 2 x 2 x 0.5 | 10.1 | 72.8 | 59.4 | 100 |
| | | | | | | | |