

## UNITRONIC® BUS CAN

For CAN-based communication systems like CANopen. Flame-retardant according to IEC 60332-1-2, temperature range from -40°C to +80°C

### Info

CAN = Controller Area Network



Industrial machinery and plant engineering



Automation & fältinstallation

### Application range

Fixed installation

### Product features

Maximum bit rate: 1 Mbit/s for 40 m

Bus length

A larger conductor cross-section is required as the length increases

ISO 11898 makes recommendations for the segment length, cable cross-section and bit rate

Flame-retardant according to IEC 60332-1-2

### Norm references / approvals

Standardised internationally in ISO 11898

UL/CSA type CMX (UL 444)

## UNITRONIC® BUS CAN

### Design

0.22 + 0.34 + 0.5: bare stranded conductor, 7-wire

0.75: bare stranded conductor, fine-wire

Colour code in accordance with DIN 47100

Copper braiding

PVC sheath

Colour: violet (RAL 4001)

### Technical Data

Classification:	ETIM 5.0 Class-ID: EC000830 ETIM 5.0 Class-Description: Data cable
Operating capacitance:	(800 Hz) max. 40 nF/km
Peak operating voltage:	(not for power applications) 250 V
Conductor resistance:	(loop): max. 186 ohm/km
Minimum bending radius:	Fixed installation: 8 x outer diameter
Test voltage:	Core/Core: 1500 V eff.
Characteristic impedance:	120 ohm
Temperature range:	Fixed installation: -30°C to +80°C Flexing: -5°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; see catalogue appendix T17 for the application and definition of "Metal price basis" and "Metal index"

Please find our standard lengths at: [www.lappkabel.de/en/cable-standardlengths](http://www.lappkabel.de/en/cable-standardlengths)

Packaging: Ring  $\leq$  30 kg or  $\leq$  250 m, otherwise drum

Please specify the preferred packaging (e.g. 1 x 500 m drum or 5 x 100 m rings)

Photographs 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.

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Article number	Article designation	Number of pairs/conductor cross-section (mm <sup>2</sup> )	Outer diameter (mm)	Conductor resistance	Copper index (kg/km)	Weight (kg/km)
for fixed installation						
2170260	UNITRONIC® BUS CAN	1 x 2 x 0.22	5.7	186	16.7	42
2170261	UNITRONIC® BUS CAN	2 x 2 x 0.22	7.6	186	34.8	68
2170263	UNITRONIC® BUS CAN	1 x 2 x 0.34	6.8	115	25	55
2170264	UNITRONIC® BUS CAN	2 x 2 x 0.34	8.5	115	46.4	88
2170266	UNITRONIC® BUS CAN	1 x 2 x 0.5	7.5	78	41.6	90
2170267	UNITRONIC® BUS CAN	2 x 2 x 0.5	9.6	78	59.4	106
2170269	UNITRONIC® BUS CAN	1 x 2 x 0.75	8.7	52	52.7	108
2170270	UNITRONIC® BUS CAN	2 x 2 x 0.75	11.5	52	80.6	142

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 Product Management [www.lappkabel.de](http://www.lappkabel.de)

You can find the current technical data in the corresponding data sheet.

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