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PRODUCT INFORMATION

UNITRONIC® BUS CAN

CAN Buscables for fixed installation - UL/SCA certified

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

Info
CAN = Controller Area Network



Supplementary automation components from Lapp

Mechanical and plant engineering

Application range
Fixed Installation

Product features
Maximum bit rate: 1 Mbit/s for 40 m
segment length
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)

Product Make-up
0.22 + 0.34 + 0.5: bare stranded conductor, 7-wire
0.75: bare stranded conductor, fine-wire
Core insulation: foam skin
Colour-coded in accordance with DIN 47100

Last Update (26.08.2023)
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Product Management www.lappkabel.de
You can find the current technical data in the corresponding data sheet.
PN 0456 / 02_03.16

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Copper braid
Outer sheath: PVC, violet (RAL 4001)

Technical Data

Classification ETIM 5:	ETIM 5.0 Class-ID: EC000830 ETIM 5.0 Class-Description: Data cable
Classification ETIM 6:	ETIM 6.0 Class-ID: EC000830 ETIM 6.0 Class-Description: Data cable
Mutual 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 rms
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. 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 ≤ 30 kg or ≤ 250 m, otherwise drum
Please specify the preferred type of packaging (e.g. 1 x 500 m drum or 5 x 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.

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Article number	Article designation	Number of pairs/conductor cross section (mm^2)	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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