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)

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Design

0.22+0.34+0.5: Stranded wire, bare, 7-wire
0.75: Stranded wire, bare, 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 otherwise specified, the product values shown are nominal values. You can receive further values, such as tolerances, upon request if they available and have been released for publication.
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
Packaging: Ring ≤ 30 kg or ≤ 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.

LAPP GROUP

PRODUCT INFORMATION

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Article number	Article designation	Number of pairs/conductor cross-section (mm²)	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

Last Update (02.03.2017)

Product Management www.lappkabel.de
You can find the current technical data in the corresponding data sheet.
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