


U.I. Lapp GmbH	PRODUCT INFORMATION	
	UNITRONIC® BUS CAN	13.01.2016

LAPP KABEL STUTTGART UNITRONIC® BUS CAN



CANopen c 



Automation



Industrial machinery and plant engineering

Info

CAN = Controller Area Network

Application range

Fixed installation

Product Make-up

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

0.75: bare stranded conductor, fine-wire

Colour-coded in accordance with DIN 47100

Copper braid

PVC sheath

Colour: violet (RAL 4001)

Norm references / Approvals

Standardised internationally in ISO 11898

UL/CSA type CMX (UL 444)

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

Remark

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

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Technical Data

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
Temperature range:	Fixed installation: -30°C to +80°C Flexing: -5°C to +70°C
Characteristic impedance:	120 ohm

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Part 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	186.0	16.7	42.0
2170261	UNITRONIC® BUS CAN	2 x 2 x 0,22	7.6	186.0	34.8	68.0
2170263	UNITRONIC® BUS CAN	1 x 2 x 0,34	6.8	115.0	25.0	55.0
2170264	UNITRONIC® BUS CAN	2 x 2 x 0,34	8.5	115.0	46.4	88.0
2170266	UNITRONIC® BUS CAN	1 x 2 x 0,5	7.5	78.0	41.6	90.0
2170267	UNITRONIC® BUS CAN	2 x 2 x 0,5	9.6	78.0	59.4	106.0
2170269	UNITRONIC® BUS CAN	1 x 2 x 0,75	8.7	52.0	52.7	108.0
2170270	UNITRONIC® BUS CAN	2 x 2 x 0,75	11.5	52.0	80.6	142.0