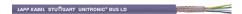


UNITRONIC® BUS LD

For bus systems such as Modbus, SUCOnet, Modulink, VariNet. Flame-retardant, UL approval, colour code according to DIN 47100. Temperature range from -40°C to +80°C

Info

LD is a LAPP abbreviation for long distance









Industrial machinery and plant engineering



Automation & amp; fältinstallation

Benefits

Suitable for multiple bus systems based on RS485 / RS422

Application range

For fixed installation
Maximum electromagnetic screening
Bus cables for bus systems such as Modbus, SUCOnet P, Modulink P, VariNet-P)
Dry or damp rooms

Product features

The stated bit rates result in the following cable lengths (maximum) for a bus segment: 9.6-93.75 kbit/s = 1200 m 187.5 kBit/s = max. 1000 m 500 kbit/s = max. 400 m Flame-retardant according to IEC 60332-1-2

Norm references / approvals

UL version with certification: UL/CSA type CMX in accordance with UL 444 and CSA C22.2 no. 214-02

Last Update (06.03.2017)
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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



UNITRONIC® BUS LD

Design

7-wire strand, bare, colour-coded according to DIN 47100 Copper braiding PVC sheath

Colour: violet (RAL 4001)

UNITRONIC® BUS LD A like UNITRONIC® BUS LD, but with UL/CSA certification

Technical Data

Classification: ETIM 5.0 Class-ID: EC000830

ETIM 5.0 Class-Description: Data cable

Operating capacitance: Flexible use: 10 x outer diameter

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: 100 – 120 ohm

Temperature range: Fixed installation: -40°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)

Modubus is registered by the Modbus-IDA Organisation. SUCOnet P is a registered trademark of the Moeller Group. Modulink P is a registered trademark of Weidmüller GmbH & Co. VariNet is a registered trademark of Pepperl+Fuchs GmbH

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.

UNITRONIC® BUS LD

Article number	Article designation	Number of pairs and mm² per conductor	Outer diameter (mm)	Copper index (kg/km)	Weight (kg/km)
for fixed installation					
2170203	UNITRONIC® BUS LD	1 x 2 x 0.22	5.7	18	37
2170204	UNITRONIC® BUS LD	2 x 2 x 0.22	7.1	28	45
2170205	UNITRONIC® BUS LD	3 x 2 x 0.22	7.2	37	72
For fixed installation - UL/CSA CMX certification					
2170803	UNITRONIC® BUS LD A	1 x 2 x 0.22	5.7	18	39