



Suitable for multiple Bus systems based on RS485 / RS422

- LD is a LAPP abbreviation for long distance



## Product description

### Application range

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

### Benefits

- Suitable for multiple Bus systems based on RS485 / RS422

### Product Make-up

- Stranded bare 7-wire conductor, colour-coded according to DIN 47100
- Copper braid
- PVC sheath
- Colour: violet (RAL 4001)
- UNITRONIC® BUS LD A as UNITRONIC® BUS LD, but with UL/CSA approval

## Norm references / Approvals

- UL variant has approval:  
UL/CSA type CMX acc. to UL 444  
and CSA C22.2 no. 214-02

## Product features

- The stated bit rates result in the following cable lengths (maximum) of one bus segment:
- 9.6-93.75 kbit/s = 1200m
- 187.5 kbit/s = max. 1,000 m
- 500 kBit/s = max. 400 m
- Flame-retardant according IEC 60332-1-2

## Technical Data

Mutual capacitance	(800 Hz): max. 60 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: -40°C to +80°C Flexing: -5°C to +70°C
Characteristic impedance	100 - 120 Ohm