



PUR outer sheath, tear and notch-resistant, resistant to mineral oils and abrasion when used in power chains; UL variant has approval:

UL/CSA type CMX acc. to UL 444

and CSA C22.2 no. 214-02; Suitable for multiple Bus systems based on RS485 / RS422

- LD is a LAPP abbreviation for long distance



Product description

Application range

- For highly flexible applications (power chains, moving machine parts)
- Bus cables for bus systems such as e.g. Modbus, SUCOnet P, Modulink P, VariNet-P)

Benefits

- PUR outer sheath, tear and notch-resistant, resistant to mineral oils and abrasion when used in power chains
- UL variant has approval:
UL/CSA type CMX acc. to UL 444
and CSA C22.2 no. 214-02
- Suitable for multiple Bus systems based on RS485 / RS422

Product Make-up

- Stranded conductor, bare, core identification code in accordance with DIN 47100
- Copper braid
- PUR outer sheath

- Colour: violet (RAL 4001)
- UV-resistant (but colour may change after some time)

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. 159.8 ohm/km
Minimum bending radius	Fixed installation: 6 x core diameter One bend at end of core: 3 x cable diameter Flexing: 15 x outer diameter
Test voltage	Core/core: 1500 V rms
Temperature range	Fixed installation: -40°C to +80°C Flexing: -30°C to +70°C
Characteristic impedance	100 - 120 Ohm