

Product Description

LAPP KABEL STUTTGART UNITRONIC® BUS CAN FD P



Application range

- For highly flexible applications.

Design

- Stranded bare copper conductor
- Screen braiding made from copper wire
- PUR outer sheath
- Colour: violet (RAL 4001)
- UV-resistant (but colour change after some time possible)

Approvals (Norm references)

- Standardised internationally in ISO 11898
- UL/CSA type CMX (UL 444)

Product features

- Halogen free
- Maximum bit rate: 1 Mbit/s for 40 m segment length
- Larger conductor cross-section necessary with increasing length See Table below (reference values from ISO 11898).
- For the segment length, cable cross-section and bit rate, ISO 11898 makes recommendations
- Flame retardant according to IEC 60332-1-2

Technical Data
Mutual capacitance

(800 Hz): max. 60 nF/km

Peak working voltage

250 V (not for power applications)

Conductor resistance

(loop): max. 159.8 Ohm/km

Minimum bending radius

Flexing: 15 x outer diameter

Test voltage

Core/core: 1500 V

Range of temperature

Fixed installation: -40°C up to +80°C

Flexing: -30°C up to +70°C

Characteristic impedance

120 ohms

Article List

Part number	Article designation	Number of pairs / conductor cross-section in mm ²	Outer diameter mm	Copper index kg/km	Weight kg/km
For highly flexible application (power chains, frequently moved machine parts)					
2170272	UNITRONIC® BUS CAN FD P	1 x 2 x 0,25	6.4	24.0	40.0
2170273	UNITRONIC® BUS CAN FD P	2 x 2 x 0,25	8.4	33.0	65.0
2170275	UNITRONIC® BUS CAN FD P	1 x 2 x 0,34	6.8	32.8	60.0
2170276	UNITRONIC® BUS CAN FD P	2 x 2 x 0,34	9.6	52.4	88.0
2170278	UNITRONIC® BUS CAN FD P	1 x 2 x 0,5	8.0	41.9	74.0
2170279	UNITRONIC® BUS CAN FD P	2 x 2 x 0,5	10.8	59.4	100.0

Footnote:

All product related values as shown are nominal values unless specified differently. Further values, e.g. tolerances we submit on request - if available and released for publication.

Copper price basis: EUR 150 / 100 kg; For utilization and definition of 'Metal price basis' and 'Metal index' see Appendix T17

Please find our standard lengths at: www.lappkabel.de/en/cable-standardlengths

Packaging size: Coil ≤ 30 kg and ≤ 250 m, otherwise drum

Please specify the desired packaging size (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.