HITRONIC®

® LAPP GROUP

Data communication systems Cables for bus system SAFETY BUS

Characteristic impedance: 120 ohm









UNITRONIC® BUS SAFETY

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• For serial transmission of safety-oriented

Application range

- For fixed installation and highly flexible applications
- For systems such as SafetyBUS p[®], based on the well-known CAN bus system

Product features

- The stated bit rates result in the following cable lengths (maximum) for a bus segment:
- 500 kbit/s = max.100 m
- 250 kbit/s = max. 250 m
- 125 kbit/s = max. 500 m
- 50 kbit/s = max. 1,000 m

Product make-up

- Stranded conductor, 3 cores twisted, colour-coded in accordance with DIN 47100 (white, brown, green), copper braiding, halogen-free outer sheath
- UNITRONIC® BUS SAFETY FD P is as per UNITRONIC® BUS SAFETY, but also suitable for highly flexible applications
- Flame-retardant according IEC 60332-1-2

■ Technical data



Version UNITRONIC® BUS SAFETY FC: AWM Style 2464 (80°C 300 V)

Mutual capacitance 11 (800 Hz): max. 45 nF/km

> Peak operating voltage (not for power applications) 250 V

Conductor resistance (loop): max. 52 ohm/km

Minimum bending radius Fixed installation:

10 x cable diameter

Test voltage Core/core: 3000 V

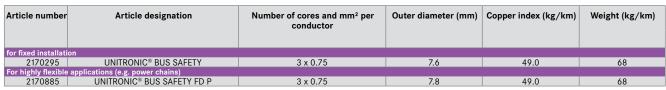
Core/core: 1500 V (FD-version)

Temperature range

UNITRONIC BUS SAFETY: Fixed installation: -30°C to +80°C

UNITRONIC BUS SAFETY FD P: Fixed installation -40°C to +80°C Moved: -30 to +80°C

Characteristic impedance Z。 120 ohm



Unless specified otherwise, the shown product values are nominal values. Detailed values (e.g. tolerances) are available upon request. Copper price basis: EUR 150/100kg. 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 \le 30 kg or \le 250 m, otherwise drum Please specify the preferred type of packaging (e.g. 1 x 500 m drum or 5 x 100 m coils).

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

■ Accessories

FC STRIP stripping tool refer to page 912