

Data communication systems Cables for bus systems PROFIBUS-DP/FMS/FIP

Characteristic impedance: 135 - 165 ohm

















UNITRONIC® BUS PB ROBUST

Fixed installation

LAPP KABEL STUTTGART UNITRONIC® BUS PB ROBUST



Benefits

Robust PROFIBUS cable for use under harsh environmental conditions

Application range

- For use for PROFIBUS-DP or FIP in harsh industrial environments
- Fixed installation

■ Product features

- Significantly extended use and application areas, water and chemical resistance for use in industrial conditions.
- High resistance to tensides, soaps etc.
- UV-resistant
- Flame-retardant according IEC 60332-1-2
- · Based on the bit rates listed, in accordance with PNO specifications the following maximum cable lengths for a bus segment

(cable type A, PROFIBUS-DP):

93.75 kbit/s = 1200 m

187.5 kbit/s = 1000 m

500 kbit/s = 400 m 1.5 Mbit/s = 200 m

12.0 Mbit/s = 100 m

■ Product make-up

- Solid and bare copper conductor
- Foam Skin core isolation (O2YS)
- · Overall screening with copper braid and plastic-laminated aluminium foil
- Tin-plated copper wire braiding
- With conventional cable design, but with an outer sheath made of special TPE

Technical data



Mutual capacitance (1 kHz): approx. 28.5 nF/km

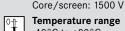


Minimum bending radius



Fixed installation: 75 mm Test voltage

Core/core: 1500 V rms



Temperature range -40°C to +80°C



Characteristic impedance (3 - 20 MHz): 150 ± 15 Ohm

Article number	Article designation	Number of pairs and conductor diameter (mm)	Outer diameter (mm)	Copper index (kg/km)	Weight (kg/km)
for fixed installation					
2170620	UNITRONIC® BUS PB ROBUST	1 x 2 x 0.64	8.0	26.0	55

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 ≤ 30 kg or ≤ 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

• EPIC® Data Connectors refer to page 302