

## UNITRONIC® BUS PB ROBUST

PROFIBUS cable - resistant to a wide range of chemical media

Bus cable for PROFIBUS-DP, -FMS and FIP. Resistance against water, chemicals, tensides, soaps..., UV-resistant, flame retardant. Temp. range -40°C bis +80°C

### Info

Excellent weather resistance

Good chemical resistance please see Appendix T1



Supplementary automation components from Lapp



Food & Beverage



Mechanical and plant engineering



Good chemical resistance



UV-resistant

### 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.

Last Update (24.04.2024)

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Product Management [www.lappkabel.de](http://www.lappkabel.de)

You can find the current technical data in the corresponding data sheet.

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## UNITRONIC® BUS PB ROBUST

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 apply (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

Core insulation: cellular PE, O2Y(S)

Overall screening with copper braid and plastic-laminated aluminium foil

Outer sheath: Specially formulated TPE,

violet (RAL 4001)

With conventional cable design

### Technical Data

Classification ETIM 5:	ETIM 5.0 Class-ID: EC000830 ETIM 5.0 Class-Description: Data cable
Classification ETIM 6:	ETIM 6.0 Class-ID: EC000830 ETIM 6.0 Class-Description: Data cable
Mutual capacitance:	(1 kHz): approx. 28.5 nF/km
Peak operating voltage:	(not for power applications) 250 V
Minimum bending radius:	Fixed installation: 75 mm
Test voltage:	Core/core: 1500 V rms Core/screen: 1500 V
Characteristic impedance:	(3 - 20 MHz): 150 ± 15 Ohm
Temperature range:	-40°C to +80°C

### Note

Unless specified otherwise, the shown product values are nominal values. Detailed values (e.g. tolerances) are available upon request.

Copper price basis: EUR 150/100 kg. 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](http://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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Lapp Kabel is a member of the PROFIBUS user organisation (PNO)

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Prices are net prices without VAT and surcharges. Sale to business customers only.

**UNITRONIC® BUS PB ROBUST**

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	26	55