

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 (25.12.2023)

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Product Management www.lappkabel.de

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

PN 0456 / 02_03.16

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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

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.

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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