

## UNITRONIC® BUS PB 105

PROFIBUS cable with an extended temperature range up to +105 °C

Bus cable for PROFIBUS-DP, -FMS and FIP. No additional cable protection against high temp. Flame retardant and oil resistant. Temp. range -30 °C bis +105 °C



Supplementary automation components from Lapp



Mechanical and plant engineering



Oil-resistant



Temperature-resistant

### Application range

Cable has been designed for use in factory halls where temperatures up to max. 105 °C may occur.

### Product features

High temperature resistance

Flame-retardant according IEC 60332-1-2

Oil-resistant

### Product Make-up

Stranded conductor, 7-wire, bare

Conductor diameter: 0,64 mm (AWG24)

Core insulation: PP

Overall screening with copper braid and plastic-laminated aluminium foil

Outer sheath: PVC, violet (RAL 4001)

### Technical Data

Classification ETIM 5:

ETIM 5.0 Class-ID: EC000830

ETIM 5.0 Class-Description: Data cable

Last Update (26.04.2024)

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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.

PN 0456 / 02\_03.16

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Classification ETIM 6:	ETIM 6.0 Class-ID: EC000830 ETIM 6.0 Class-Description: Data cable
Mutual capacitance:	Approx. 28.5 nF/km
Peak operating voltage:	max. 100 V (not for power applications)
Minimum bending radius:	Fixed installation: 45 mm once Flexing: 65 mm
Test voltage:	Core/core: 1500 V rms Core/screen: 1500 V
Characteristic impedance:	(3 - 20 MHz): $150 \pm 15$ Ohm
Temperature range:	-30°C to +105°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)

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 105**

Article number	Article designation	Number of pairs and conductor diameter (mm)	Outer diameter [mm]	Copper index (kg/km)	Weight (kg/km)
2170630	UNITRONIC® BUS PB 105	1 x 2 x 0.64	8	30.1	72