

## 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 (24.04.2024)

©2024 Lapp Group - Technical changes reserved

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

## UNITRONIC® BUS PB 105

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)

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

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