

# **UNITRONIC® BUS PB FESTOON**

PROFIBUS cable for cable trolley applications

Bus cable for PROFIBUS-DP, -FMS and FIP. UL/CSA-approvals (CM, CL3, SUN RES, Oil Res I), Flame retardant CSA FT4 UL, oil resistant UL OIL RES I

LAPP KABEL STUTGART UNITRONIC® BUS PB FESTOON





Supplementary automation components from Lapp



Mechanical and plant engineering



Flame-retardant



Oil-resistant

### Benefits

Cables can be used for PROFIBUS-DP as well as PROFIBUS-FMS and FIP CL3 for installation on trays

## **Application range**

PROFIBUS DP (in accordance with DIN 19245 and EN 50170, e.g. for SIEMENS SIMATIC® NET, also suitable for FIP - Factory Instrumentation Protocol).

### **Product features**

FESTOON: for cable trolley (festoon)

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

Last Update (14.03.2025)

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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



## UNITRONIC® BUS PB FESTOON

## Norm references / Approvals

With UL/CSA certification (CM, CL3, SUN RES, Oil Res I) Flame-retardant according to CSA FT4 UL Vertical-Tray Flame Test Oil-resistant according to UL OIL RES I

### **Product Make-up**

Outer sheath: special PVC compound

**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: (800 Hz): max. 30 nF/km

Peak operating voltage: 600 V (not for power applications)

Minimum bending radius: Flexing: 70 mm

Fixed installation: 30 mm once

Test voltage: Core/core: 2000 V
Characteristic impedance: 150 ± 15 Ohm

Temperature range: Flexing: -5°C to +70°C

Fixed installation: -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).

SIMATIC® is a registered trademark of SIEMENS AG. FIP is a registered trademark of World FIP

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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#### Outer diameter [mm] Copper index [kg/km] Weight [kg/km] Article number Article designation Number of cores and Dimension and cross mm<sup>2</sup> per conductor section in mm2 26 64 UNITRONIC® BUS PB 1 x 2 x 0.64 8 2170338 1 x 2 x 0.64 Festoon CM