

## 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 STUTTGART 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

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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

## 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](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).

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)

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 FESTOON**

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

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