

UNITRONIC® BUS PB FESTOON

PROFIBUS cable for cable trolley applications

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

LAPP KABEL STUFGART 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

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

PN 0456 / 02_03.16

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Norm references / Approvals

With UL/CSA certification (CMG, 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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Article number	Article designation	Number of cores and mm ² per conductor	Dimension and cross section in mm ²	Outer diameter [mm]	Copper index [kg/km]	Weight [kg/km]
Highly flexible application						
2170331	UNITRONIC® BUS PB Festoon	1 x 2 x 0.64	1 x 2 x 0.64	8	26	64

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