

# **PRODUCT INFORMATION**

# **UNITRONIC® BUS PB**

PROFIBUS cables for fixed applications

Variours bus cable for PROFIBUS-DP, -FMS and FIP. E.g. Fast Connect and halogen free available.

LAPP KABEL STUTIGART UNITRONIC<sup>®</sup> BUS PB H 7-W

Info Lapp Kabel is a member of the PROFIBUS User Organisation (PNO) A for Advanced here: UL and CSA certifications CPR: Article number choice under www.lappkabel.com/cpr



LAPP KABEL STUTTG



Supplementary automation components from Lapp



Mechanical and plant engineering



Halogen-free

UV-resistant



### Application range

For fixed installation Maximum electromagnetic screening Dry or damp rooms Item nos. 2170233, 2170333, 2170820, 2170824, 2170826 are all UV-resistant

#### **Product features**

These bus cables can be used for PROFIBUS-DP as well as for PROFIBUS-FMS and FIP 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

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187.5 kbit/s = 1000 m 500 kbit/s = 400 m 1.5 Mbit/s = 200 m 12.0 Mbit/s = 100 m

#### Norm references / Approvals

In accordance with DIN 19245 and EN 50170, e.g. for SIEMENS SIMATIC NET, also suitable for FIP (Factory Instrumentation Protocol) See below for UL certification type

#### **Product Make-up**

FC: Fast Connect cable design P: Polyurethane H: Halogen-free PE: polyethylene outer sheath, black 7-W: 7-wire, e.g. for applications where vibrations occur COMBI: Data transmission and power supply in one cable

#### **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:	(not for power applications) 250 V	
Conductor resistance:	(loop): max. 186 Ohm/km. see also datasheet	
Minimum bending radius:	Fixed installation: see data sheet	
Test voltage:	Core/core: 1500 V rms	
Characteristic impedance:	150 ± 15 Ohm	

#### 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  $\leq$  30 kg or  $\leq$  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 NET® is a registered trademark of Siemens AG

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.

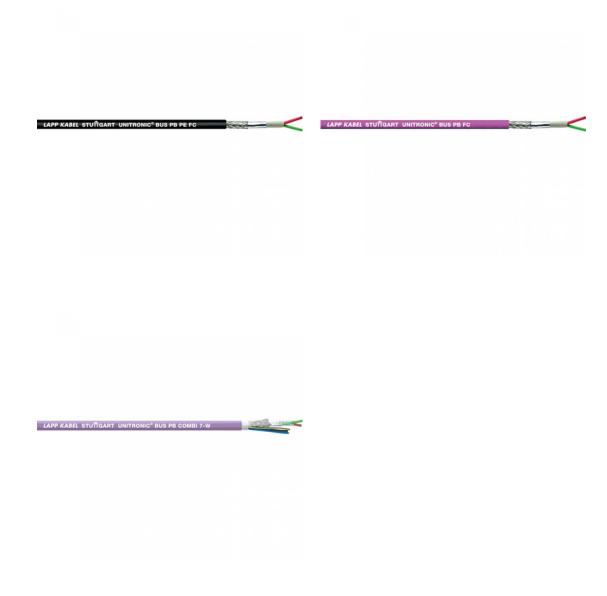
Prices are net prices without VAT and surcharges. Sale to business customers only.

Article number	Article designation	Number of pairs and conductor diameter (mm)	Outer diameter [mm]	Copper index (kg/km)	Weight (kg/km)
Conventional cable makeup					
2170220	UNITRONIC® BUS PB	1 x 2 x 0.64	8	30.1	74
2170233	UNITRONIC® PB PE	1 x 2 x 0.64	8	30.1	57
2170226	UNITRONIC® BUS PB H 7-W	1 x 2 x 0.64	8	30.1	55
2170225	UNITRONIC® BUS PB COMBI 7-W	1 x 2 x 0,64 Ø + 3 x 1,0 mm <sup>2</sup>	9.8	59	92
Conventional cable makeup -	UL/CSA CMX certification	•			
2170219	UNITRONIC® BUS PB A	1 x 2 x 0.64	8	30.1	57
Conventional cable makeup -	UL/CSA CMG certification		•		
2170824	UNITRONIC® BUS PB 7-W A	1 x 2 x 0.64	8	30.1	55
Fast Connect					
2170333	UNITRONIC® BUS PB PE FC	1 x 2 x 0.64	8	26	67
Fast Connect - UL/CSA CMX	certification				I
2170330	UNITRONIC® BUS PB P FC	1 x 2 x 0.64	8	26	71
Fast Connect cable makeup -	UL/CSA CMG certification	•		·	
2170820	UNITRONIC® BUS PB FC	1 x 2 x 0.64	8	26	84
2170826	UNITRONIC® BUS PB 7-W FC	1 x 2 x 0.64	8	26	67
2170326	UNITRONIC® BUS PB-H FC	1 x 2 x 0.64	8	26	72

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