

PROFIBUS cables for fixed applications

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

Info

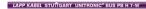
Lapp Kabel is a member of the PROFIBUS User Organisation (PNO)

A for Advanced

here: UL and CSA certifications

CPR: Article number choice under www.lappkabel.com/cpr













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

187.5 kbit/s = 1000 m

Last Update (05.08.2022)

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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



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 ≤ 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 NET® is a registered trademark of Siemens AG

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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 Outer diameter [mm] Copper index (kg/km) Weight (kg/km) conductor diameter (mm) Conventional cable makeup 8 74 2170220 UNITRONIC® BUS PB 1 x 2 x 0.64 30.1 2170233 8 57 UNITRONIC® PB PE 1 x 2 x 0.64 30.1 2170226 UNITRONIC® BUS PB H 1 x 2 x 0.64 8 30.1 55 7-W UNITRONIC® BUS PB 59 92 2170225 $1 \times 2 \times 0,64 \text{ Ø} + 3 \times 1,0 \text{ mm}^2$ COMBI 7-W 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 8 30.1 55 2170824 UNITRONIC® BUS PB 7-W 1 x 2 x 0.64 Fast Connect 2170333 UNITRONIC® BUS PB PE 1 x 2 x 0.64 8 26 67 Fast Connect - UL/CSA CMX certification 71 UNITRONIC® BUS PB P FC 1 x 2 x 0.64 8 26 2170330 Fast Connect cable makeup - UL/CSA CMG certification 2170820 UNITRONIC® BUS PB FC 8 26 84 1 x 2 x 0.64 2170826 UNITRONIC® BUS PB 7-W 8 26 67 1 x 2 x 0.64

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2170326

UNITRONIC® BUS PB-H FC 1 x 2 x 0.64



