

## UNITRONIC® BUS PB BURIAL FC

PROFIBUS cable with double outer sheath for outdoor/direct burial use

Bus cable for PROFIBUS-DP, -FMS and FIP. Rugged, UV- and weather-resistant. Temperature range from -40°C bis +60°C



Supplementary automation components from Lapp



Mechanical and plant engineering



Oil & Gas



Solar Energy



Suitable for outdoor use



Mechanical resistance



UV-resistant

### Benefits

Fast Connect (FC) cable design

Rugged, UV-resistant and weatherproof

Cables can be used for PROFIBUS-DP as well as PROFIBUS-FMS and FIP

### 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

Last Update (23.04.2024)

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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 BURIAL FC

Second PE outer sheath

### Product Make-up

Solid and bare copper conductor  
Core insulation: foam skin, (O2YS)  
Overall screening with copper braid and plastic-laminated aluminium foil  
Inner sheath: PVC, violet RAL (4001),  
outer diameter: 8.0 mm  
Outer sheath, PE, black RAL (9005),  
outer diameter: 10.8 mm

### 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) 100 V
Minimum bending radius:	Fixed installation: 3.5 x cable diameter once Fixed installation: 7.5 x outer diameter
Test voltage:	3600 V DC (3 sec.)
Characteristic impedance:	150 ± 15 Ohm
Temperature range:	-40 °C to +60 °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 BURIAL FC**

Article number	Article designation	Number of pairs and conductor diameter (mm)	Outer diameter [mm]	Copper index (kg/km)	Weight (kg/km)
Suitable for outdoor use and direct burial					
2170323	UNITRONIC® BUS PB BURIAL FC	1 x 2 x 0.64	10.8	26	115

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