

## UNITRONIC® BUS PB Y 7-W FC BK

UV-resistant PROFIBUS cable for outdoor applications

Bus cable for PROFIBUS-DP, -FMS and FIP. Fast Connect (FC) system, UV- and weather-resistant. Temperature range from -40°C bis +80°C



Supplementary automation components from Lapp



Mechanical and plant engineering



Oil & Gas



Solar Energy



Suitable for outdoor use



UV-resistant

### Benefits

Fast Connect (FC) cable design

7-W: 7-wire, e.g. for applications where vibrations occur

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

UV-resistant and weather-resistant

Resistant to acids, alkalis and certain oils at room temperature

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.

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## UNITRONIC® BUS PB Y 7-W FC BK

### Product Make-up

Stranded conductor, 7-wire, bare  
Core insulation: foam skin, (O2YS)  
Overall screening with copper braid and plastic-laminated aluminium foil  
Outer sheath: PVC, black RAL (9005)

### Technical Data

|                           |  |
|---------------------------|--|
| Classification ETIM 5:    | ETIM 5.0 Class-ID: EC000830<br>ETIM 5.0 Class-Description: Data cable  |
| Classification ETIM 6:    | ETIM 6.0 Class-ID: EC000830<br>ETIM 6.0 Class-Description: Data cable  |
| Mutual capacitance:       | (800 Hz): max. 30 nF/km  |
| Peak operating voltage:   | (not for power applications) 250 V                                     |
| Minimum bending radius:   | Fixed installation: 8 x outer diameter<br>Flexing: 15 x outer diameter |
| Test voltage:             | Core/core: 1500 V rms<br>Core/screen: 1500 V                           |
| Characteristic impedance: | 150 ± 15 Ohm   |
| Temperature range:        | Flexing: -10°C to +70°C<br>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 Y 7-W FC BK**

| Article number | Article designation           | Number of pairs and conductor diameter (mm) | Outer diameter [mm] | Copper index (kg/km) | Weight (kg/km) |
|----------------|-------------------------------|---|---------------------|----------------------|----------------|
| 2170310        | UNITRONIC® BUS PB Y 7-W FC BK | 1 x 2 x 0.64                                | 7.8                 | 30.1                 | 80             |