

## UNITRONIC® BUS PB ARM

Armored PROFIBUS cable for use in harsh industrial environments

Bus cable for PROFIBUS-DP, -FMS and FIP. Use in harsh industrial environment. Temperature range from -40 °C bis +70 °C



Flame-retardant



Mechanical resistance



Interference signals



UV-resistant

### Benefits

EMC-optimised design

### Application range

For use for PROFIBUS-DP or FIP in harsh industrial environments

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

Flame-retardant according IEC 60332-1-2

UV-resistant

### Product Make-up

Solid and bare copper conductor

Core insulation: cellular PE, O2Y(S)

Overall screening with copper braid and plastic-laminated aluminium foil

Overlapping plastic tape

Copper tape, welded longitudinally

Outer sheath: PVC, violet (RAL 4001)

Last Update (24.04.2024)

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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 ARM

### 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) 100 V  |
| Minimum bending radius:   | Fixed installation: 7.5 x outer diameter<br>Fixed installation: 3.5 x cable diameter once |
| Test voltage:             | 3600 V DC (3 sec.)  |
| Characteristic impedance: | 150 ± 15 Ohm  |
| Temperature range:        | -40°C to +70°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)

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

**UNITRONIC® BUS PB ARM**

| Article number | Article designation   | Number of pairs and conductor diameter (mm) | Outer diameter [mm] | Copper index (kg/km) | Weight (kg/km) |
|----------------|-----------------------|---|---------------------|----------------------|----------------|
| 2170247        | UNITRONIC® BUS PB ARM | 1 x 2 x 0.65                                | 11.1                | 86.9                 | 131            |