

## 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 (22.01.2020)

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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 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: 7.5 x outer diameter 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)

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 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

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