

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 (23.02.2024)

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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

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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

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.

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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