

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 (12.05.2024)

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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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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 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) 250 V
Minimum bending radius:	Fixed installation: 8 x outer diameter Flexing: 15 x outer diameter
Test voltage:	Core/core: 1500 V rms Core/screen: 1500 V
Characteristic impedance:	150 ± 15 Ohm
Temperature range:	Flexing: -10°C to +70°C 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

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.

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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)
2170310	UNITRONIC® BUS PB Y 7-W FC BK	1 x 2 x 0.64	7.8	30.1	80