UNITRONIC® BUS PB YY

PROFIBUS cable with double PVC outer sheath for outdoor/direct burial use - Fast Connect cable make up

Bus cable for PROFIBUS-DP, -FMS and FIP. Rugged, UV- and weather-resistant. Dual PVC outer sheath. 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
- Mechanical resistance
- UV-resistant

Benefits

Rugged, UV-resistant and weatherproof
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

Last Update (22.02.2024)
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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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Double PVC outer sheath

Product Make-up

Solid and bare copper conductor
Core insulation: PE
Overall screening with copper braid and plastic-laminated aluminium foil
Inner sheath: PVC, violet RAL (4001),
outer diameter: 7.4 mm
Outer sheath, PVC, black RAL (9005),
outer diameter: 9.5 mm

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: 75 mm once Fixed installation: 10 x outer diameter
Test voltage:	Core/core: 1500 V rms Core/screen: 1500 V
Characteristic impedance:	150 ± 15 Ohm
Temperature range:	Flexing: -5 °C to +50 °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)
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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)
Suitable for outdoor use and direct burial					
2170236	UNITRONIC® BUS PB YY	1 x 2 x 0.64	9.5	30.1	87

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