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-restistant. 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 (31.12.2023)
©2023 Lapp Group - Technical changes reserved
Product Management www.lappkabel.de
You can find the current technical data in the corresponding data sheet.
PN 0456 / 02_03.16

UNITRONIC® BUS PB Y 7-W FC BK

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.

©2023 Lapp Group - Technical changes reserved

UNITRONIC® BUS PB Y 7-W FC BK

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

Last Update (31.12.2023)
©2023 Lapp Group - Technical changes reserved
Product Management www.lappkabel.de
You can find the current technical data in the corresponding data sheet.
PN 0456 / 02_03.16