

UNITRONIC® BUS PB Y 7-W FC BK

Suitable for outdoor use, UV-resistant

UV and weather-resistant in black

7-W: 7-wire, e.g. for applications where vibrations occur

Fast Connect (FC) cable design

Cables can be used for PROFIBUS-DP as well as PROFIBUS-FMS and FIP



Suitable for outdoor use



Automation



Industrial machinery and plant engineering



Oil & Gas



Solar Energy



UV-resistant

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 Make-up

Stranded conductor, 7-wire, bare

Foam Skin - core isolation (O2YS)

Overall screening with copper braid and plastic-laminated aluminium foil

Tin-plated copper wire braiding

PVC outer sheath, black

Product features

PVC compound TM2 acc. to EN 50363-4-1

Resistant to acids, alkalis and certain oils at room temperature

Technical Data

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
Temperature range:	Flexing: -10°C to +70°C Fixed installation: -40°C to +80°C
Characteristic impedance:	150 ± 15 Ohm

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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 \leq 30 kg or \leq 250 m, otherwise drum

Please specify the preferred type of packaging (e.g. 1 x 500 m drum or 5 x 100 m coils).

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Lapp Kabel is a member of the PROFIBUS user organisation (PNO)

Photographs are not to scale and do not represent detailed images of the respective products.



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Part 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