



New

UNITRONIC® BUS PB Y 7-W FC BK

Suitable for outdoor use, UV-resistant



Benefits

- 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

Application range

- PROFIBUS® (in accordance with DIN 19245 and EN 50170, e.g. for SIEMENS SIMATIC® NET, also suitable for FIP - Factory Instrumentation Protocol).

Product features

- PVC compound TM2 acc. to EN 50363-4-1
- Resistant to acids, alkalis and certain oils at room temperature

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

Suitable tools

- FC STRIP stripping tool refer to page 912

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

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

Unless specified otherwise, the shown product values are nominal values. Detailed values (e.g. tolerances) are available upon request.
 Copper price basis: EUR 150/100kg. 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 are not to scale and do not represent detailed images of the respective products.

Accessories

- EPIC® Data Connectors refer to page 302
- FC STRIP stripping tool refer to page 912

ÖLFLEX®
 UNITRONIC®
 ETHERLINE®
 HITRONIC®
 EPIC®
 SKINTOP®
 SILVYN®
 FLEXIMARK®
 ACCESSORIES
 APPENDIX