



Technical data

- 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: 150 mm
- Test voltage**
Core/core: 1500 V rms
Core/screen: 1500 V
- Temperature range**
Flexing: -5 °C to +50 °C
Fixed installation: -40 °C to +80 °C
- Characteristic impedance**
150 ± 15 Ohm

UNITRONIC® BUS PB YY

Suitable for outdoor use and direct burial, UV-resistant

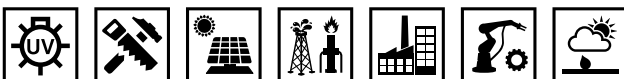


- Benefits**
 - Rugged, UV-resistant and weatherproof
 - Cables can be used for PROFIBUS-DP as well as PROFIBUS-FMS and FIP
- Application range**
 - PROFIBUS® (in accordance with DIN 19245 and EN 50170, e.g. for SIEMENS SIMATIC® NET, also suitable for FIP - Factory Instrumentation Protocol).
- Product features**
 - Dual PVC outer sheath
- Product make-up**
 - Solid and bare copper conductor
 - PE core insulation
 - Overall screening with copper braid and plastic-laminated aluminium foil
 - Tin-plated copper wire braiding
 - PVC outer sheath, violet, OD 7.5 mm
 - PVC outer sheath, black, OD 9.5 mm

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

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
 - Multipurpose shears A and B refer to page 907



Technical data

- Mutual capacitance**
(800 Hz): max. 30 nF/km
- Peak operating voltage**
(not for power applications) 100 V
- Minimum bending radius**
Fixed installation: 3.5 x cable diameter once
Fixed installation: 7.5 x cable diameter
- Test voltage**
3600 V DC (3 sec.)
- Temperature range**
-40 °C to +60 °C
- Characteristic impedance**
150 ± 15 Ohm

UNITRONIC® BUS PB BURIAL FC

Suitable for outdoor use and direct burial, UV-resistant



- Benefits**
 - Fast Connect (FC) cable design
 - Rugged, UV-resistant and weatherproof
 - 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**
 - Second PE outer sheath
- Product make-up**
 - Solid and bare copper conductor
 - Foam Skin - core isolation (O2YS)
 - Overall screening with copper braid and plastic-laminated aluminium foil
 - Tin-plated copper wire braiding
 - PVC outer sheath, violet, OD 8 mm
 - PE outer sheath, black, OD 10.8 mm

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					
2170323	UNITRONIC® BUS PB BURIAL FC	1 x 2 x 0.64	10.8	26.0	115

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