



## UNITRONIC® BUS PB YY

Suitable for outdoor use and direct burial, UV-resistant

LAPP KABEL STUTTGART UNITRONIC® BUS PB YY

### 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

- 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

### Technical data

|  |   |
|--|---|
|  | ETIM 5.0 Class-ID: EC000830<br>ETIM 5.0 Class-Description: Data cable                         |
|  | <b>Mutual capacitance</b><br>(800 Hz): max. 30 nF/km  |
|  | <b>Peak operating voltage</b><br>(not for power applications) 250 V                           |
|  | <b>Minimum bending radius</b><br>Fixed installation: 75 mm once<br>Fixed installation: 150 mm |
|  | <b>Test voltage</b><br>Core/core: 1500 V rms<br>Core/screen: 1500 V                           |
|  | <b>Characteristic impedance</b><br>150 ± 15 Ohm   |
|  | <b>Temperature range</b><br>Flexing: -5°C to +50°C<br>Fixed installation: -40°C to +80°C      |

| Article number                                    | Article designation  | Number of pairs and conductor diameter (mm) | Outer diameter (mm) | Copper index (kg/km) | Weight (kg/km) |
|---|----------------------|---|---------------------|----------------------|----------------|
| <b>Suitable for outdoor use and direct burial</b> |                      |   |                     |                      |                |
| 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 150/100 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](http://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

- Sub-D Bus-Connectors
- Multipurpose shears A and B refer to page 998