® LAPP GROUP

Bus system PROFIBUS-DP/FMS/FIP • Fixed installation

















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 ETIM 5.0 Class-Description: Data cable



Mutual capacitance



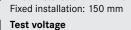
(800 Hz): max. 30 nF/km



Peak operating voltage (not for power applications) 250 V



Minimum bending radiusFixed installation: 75 mm once





Core/core: 1500 V rms Core/screen: 1500 V Characteristic impedance





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)
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 150/100 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).

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