



## UNITRONIC® BUS PB 105

Fixed installation

LAPP KABEL STUÏTGART UNITRONIC® BUS PB 105



### Benefits

- A standard PROFIBUS cable can only be used up to a max. temperature of 80°C
- This enables an extended area of application

### Application range

- Cable has been designed for use in factory halls where temperatures up to max. 105°C may occur.

### Product features

- Flame-retardant according IEC 60332-1-2
- Oil-resistant

### Product Make-up

- Stranded conductor, 7-wire, bare
- Core insulation: PP
- Overall screening with copper braid and plastic-laminated aluminium foil
- Tin-plated copper wire braiding
- PVC outer sheath for use up to 105°C

### Suitable connectors

- Sub-D Bus-Connectors

### Technical data

	ETIM 5.0 Class-ID: EC000830 ETIM 5.0 Class-Description: Data cable
	<b>Mutual capacitance</b> Approx. 28.5 nF/km
	<b>Peak operating voltage</b> max. 100 V (not for power applications)
	<b>Minimum bending radius</b> Fixed installation: 45 mm once Flexing: 65 mm
	<b>Test voltage</b> Core/core: 1500 V rms Core/screen: 1500 V
	<b>Characteristic impedance</b> (3 - 20 MHz): 150 ± 15 Ohm
	<b>Temperature range</b> -30°C to +105°C

Article number	Article designation	Number of pairs and conductor diameter (mm)	Outer diameter (mm)	Copper index (kg/km)	Weight (kg/km)
<b>UNITRONIC® BUS PB 105</b>					
2170630	UNITRONIC® BUS PB 105	1 x 2 x 0.64	8	30.1	72

### Accessories

- Multipurpose shears A and B refer to page 998

### Info

- Bus system PROFIBUS-DP/FMS/FIP
- Lapp Kabel is a member of the PROFIBUS User Organisation (PNO)

### Benefits

- No need for additional cable protection against high temperatures
- High temperature resistance

### Application range

- For installation in hollow shaft between gear units and pitch system
- Suitable for fixed installation and occasionally flexible use in high temperature areas

### Product features

- Permanent load up to +105°C, temporary load +120°C

### Norm references / Approvals

- 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
- Core insulation: polypropylene (PP)
- Overall screening with copper braid and plastic-laminated aluminium foil
- Outer sheath: TPE-based

### Technical data

	ETIM 5.0 Class-ID: EC000830 ETIM 5.0 Class-Description: Data cable
	<b>Mutual capacitance</b> (800 Hz): max. 30 nF/km
	<b>Peak operating voltage</b> (not for power applications) 250 V
	<b>Minimum bending radius</b> Fixed installation: 45 mm once Flexing: 65 mm
	<b>Test voltage</b> Core/core: 1500 V rms Core/screen: 1500 V eff.
	<b>Characteristic impedance</b> (3 - 20 MHz): 150 ± 15 Ohm
	<b>Temperature range</b> Fixed installation: -40°C to +105°C Short-term: up to +120 °C

Article number	Article designation	Number of pairs and conductor diameter (mm)	Outer diameter (mm)	Copper index (kg/km)
<b>UNITRONIC® BUS PB 105 plus</b>				
2170635	UNITRONIC® BUS PB 105 plus	1x2x0,64	8	30.1

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)  
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.