

Stationary application

### Product Description

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



### Application range

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

### Benefits

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

### Design

- Stranded conductor, 7-wire, bare
- Core insulation: Polypropylene
- Aluminated foil
- Braided shielding made of tin-plated copper wires
- PVC outer sheath for use up to 105°C

### Product features

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



Technical Data

**Mutual capacitance**

Approx. 28.5 nF/km

**Peak working voltage**

Max. 100 V (not for power applications)

**Minimum bending radius**

fixed installation: single 45 mm

Flexing: 65 mm

**Test voltage**

1500 V core/core

Core/screen: 1500 V

**Range of temperature**

-30°C to +105°C

**Characteristic impedance**

(3 - 20 MHz): 150 +/- 15 Ohm

Article List

Part number	Article designation	Number of pairs and conductor diameter in mm	Outer diameter in mm	Copper index kg/km	Weight kg/km
2170630	UNITRONIC® BUS PB 105	1 x 2 x 0,64	8.0	30.1	71

**Footnote:**

All product related values as shown are nominal values unless specified differently. Further values, e.g. tolerances we submit on request - if available and released for publication.

Copper price basis: EUR 150 / 100 kg; For utilization and definition of 'Metal price basis' and 'Metal index' see Appendix T17

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.