

Stationary application

### Product Description

Robust PROFIBUS cable for use under problematic environmental conditions



### Application range

- Use for PROFIBUS-DP or FIP in harsh industrial environment
- Stationary application

### Benefits

- Robust PROFIBUS cable for use under problematic environmental conditions

### Design

- Copper conductor, solid, bare
- Foam Skin - core isolation (O2YS)
- Alulaminated foil
- Braided shielding made of tin-plated copper wires
- With conventional cable structure, but with outer sheath of special TPE

### Product features

- Significantly extended use and application areas, water and chemical resistance for use in industrial conditions.
- High resistance against tensides, soaps, ...
- UV resistant
- Flame retardant according to IEC 60332-1-2
- The stated bit rates allow the following cable lengths (maximum) according of PROFIBUS User Organisation of one bus segment (Type A cable, PROFIBUS-DP):  
93.75 kbit/s = 1200 m  
187.5 kbit/s = 1000 m  
500 kbit/s = 400 m  
1.5 Mbit/s = 200 m  
12.0 Mbit/s = 100 m



Technical Data

**Mutual capacitance**

(1 kHz): approx. 28.5 nF/km

**Peak working voltage**

(not for power purposes) 250 V

**Minimum bending radius**

Fixed installation: 75 mm

**Test voltage**

Core/core: 1500 V

Core/screen: 1500 V

**Range of temperature**

-40 °C bis +80 °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
For fixed installation of INTERBUS system					
2170620	UNITRONIC® BUS PB ROBUST	1 x 2 x 0,64	8.0	26.0	55

**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)

Packaging size: Coil ≤ 30 kg and ≤ 250 m, otherwise drum

Please specify the desired packaging size (e.g. 1 x 500 m drum or 5 x 100 m coils)

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Lapp Kabel is a member of the PROFIBUS user organisation (PNO)

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