

Outdoor installation / direct burial + UV-resistant

### Product Description

Rugged, UV- resistant and weatherproof; Cables can be used for PROFIBUS-DP as well as PROFIBUS-FMS and FIP



### Application range

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- PROFIBUS® (in accordance with DIN 19245 and EN 50170, e.g. for SIEMENS SIMATIC® NET, also suitable for FIP - Factory Instrumentation Protocol).

### Benefits

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- Rugged, UV- resistant and weatherproof
- Cables can be used for PROFIBUS-DP as well as PROFIBUS-FMS and FIP

### Design

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- Copper conductor, solid, bare
- Foam Skin - core isolation (O2YS)
- Alulaminated foil
- Braided shielding made of tin-plated copper wires
- outer sheath: reinforced PVC (black)

### Product features

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- Reinforced PVC outer sheath



Technical Data

**Mutual capacitance**

(800 Hz): max. 30 nF/km

**Peak working voltage**

(not for power purposes) 250 V

**Minimum bending radius**

fixed installation: single 75 mm

Fixed installation: 150 mm

**Test voltage**

Core/core: 1500 V

Core/screen: 1500 V

**Range of temperature**

Flexible application: -5°C up to +50°C

Fixed installation: -40°C up to +80°C

**Characteristic impedance**

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
2170223	UNITRONIC® BUS PB Yv	1 x 2 x 0,64	10.0	30.1	106

**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)

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.