

Stationary application

### Product Description

EMC optimised



### Application range

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

### Benefits

- EMC optimised

### Design

- Copper conductor, solid, bare
- Foam Skin - core isolation (O2YS)
- Alulaminated foil
- Plastic tape, overlapped
- Copper tape longitudinal welded outer sheath: PVC

### Product features

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



Technical Data

**Mutual capacitance**

(800 Hz): max. 30 nF/km

**Peak working voltage**

(not for power purposes) 100 V

**Minimum bending radius**

Fixed installation: 7.5 x outer diameter

Fixed installation: single 3,5 x cable diameter

**Test voltage**

3600 V DC (3 sec.)

**Range of temperature**

-40 °C to +70 °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
2170247	UNITRONIC® BUS PB ARM	1 x 2 x 0,65	11.1	80.9	131

**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.