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| U.I. Lapp GmbH | PRODUCT INFORMATION |  |
| | | 12.09.2012 |

Fixed installation
EMC-optimised



Mechanical resistance



Interference signals



UV-resistant

Application range

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

Design

Solid and bare copper conductor
Foam Skin - core isolation (O2YS)
Overall screening with copper braid and plastic-laminated aluminium foil
Overlapping plastic tape
Copper tape, welded longitudinally Outer sheath: PVC

Product features

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

Remark

Unless specified otherwise, the shown product values are nominal values. Detailed values (e.g. tolerances) are available upon request.

Copper price basis: EUR 150/100kg. 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

Packaging size: coil ≤ 30 kg or ≤ 250 m, otherwise drum


Please specify the preferred type of packaging (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.

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Technical Data

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| Mutual capacitance: | (800 Hz): max. 30 nF/km |
| Peak operating voltage: | (not for power applications) 100 V |
| Minimum bending radius: | Fixed installation: 7.5 x outer diameter Fixed installation: 3.5 x cable diameter once |
| Test voltage: | 3600 V DC (3 sec.) |
| Temperature range: | -40°C to +70°C |
| Characteristic impedance: | 150 ± 15 Ohm |

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| Part number | Article designation | Number of pairs and conductor diameter (mm) | Outer diameter (mm) | Copper index (kg/km) | Weight (kg/km) |
|-------------|-----------------------|---|---------------------|----------------------|----------------|
| 2170247 | UNITRONIC® BUS PB ARM | 1 x 2 x 0,65 | 11.1 | 86.9 | 131 |