

Data communication systems Cables for bus systems PROFIBUS-DP/FMS/FIP

Characteristic impedance: 135 - 165 ohm







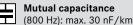




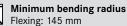
UNITRONIC® BUS PB FD P COMBI

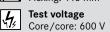
Highly flexible application

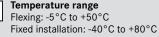
Technical data













LAPP KABEL STUTTGART UNITRONIC® BUS PB FD P COMBI

Benefits

- For use where the combination of a halogen-free outer sheath with properties similar to PUR and enhanced flame-retardance is required
- For highly flexible applications (power chains, moving machine parts)
- Cables can be used for PROFIBUS-DP as well as PROFIBUS-FMS and FIP

Application range

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

■ Product features

- HYBRID: cable for data transmission + power supply
- Flame-retardant according to IEC 60332.1.2

■ Product make-up

- Cores for Power Supply 3 x 1.0 mm² (AWG 18)
- Core insulation: Based on Polyolefin
- PUR-based outer sheath

Article number	Article designation	Number of pairs and conductor diameter (mm)	Outer diameter (mm)	Copper index (kg/km)	Weight (kg/km)
Highly flexible application					
2170227	UNITRONIC® BUS PB FD P COMBI	1 x 2 x 0.64 Ø + 3 x 1.0 mm ²	10.1	59.0	125

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 \le 30 kg or \le 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.















UNITRONIC® BUS PB FD P HYBRID

Highly flexible application

■ Technical data



Mutual capacitance (800 Hz): max. 30 nF/km

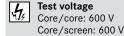
Peak operating voltage



(not for power applications) 100 V

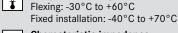


Minimum bending radius Flexing: 15 x outer diameter





Temperature range





Characteristic impedance

Application range

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• For highly flexible applications (power

Cables can be used for PROFIBUS-DP as

chains, moving machine parts)

well as PROFIBUS-FMS and FIP

halogen-free outer sheath with properties

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LAPP KABEL STUTTGART UNITRONIC® BUS PB FD P HYBRID

Product features

- HYBRID: cable for data transmission + power supply
- Flame-retardant according IEC 60332-1-2
- Oil-resistant

■ Product make-up

 Cores for Power Supply 4 x 1.5 mm² (AWG 16)

130 ± 13 011111		3 Ollili	NET, also suitable for FIP - Factory Instru- mentation Protocol).			
	Article number	Article designation	Number of pairs and conductor diameter (mm)	Outer diameter (mm)	Copper index (kg/	

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Highly flexible application					
2170495	UNITRONIC® BUS PB FD P HYBRID	1 x 2 x 0.64 Ø + 4 x 1.5 mm ²	11.3	89.0	148

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