Bus system PROFIBUS-DP/FMS/FIP • Continuous flexing application





# UNITRONIC<sup>®</sup> BUS PB FD P

Halogenfree, highly flexible PROFIBUS cable

## LAPP KABEL STUTTGART UNITRONIC® BUS PB FD P

#### **Benefits**

- Due double screening it is suitable for installation in electromagnetically demanding areas
- · Cables can be used for PROFIBUS-DP as well as PROFIBUS-FMS and FIP
- · For use where the combination of a halogen-free outer sheath with properties similar to PUR and enhanced flameretardance is required

#### Application range

- PROFIBUS DP (in accordance with DIN 19245 and EN 50170, e.g. for SIEMENS SIMATIC® NET, also suitable for FIP -Factory Instrumentation Protocol).
- · For highly flexible applications (power chains, moving machine parts)
- · Suitable for torsional applications which are typical for the loop in wind turbine generators (WTG)

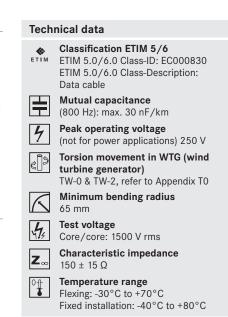
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- Halogen-free
- Flame-retardant according IEC 60332-1-2
- Oil-resistant
- Based on the bit rates listed, in accordance with PNO specifications the following maximum cable lengths for a bus segment apply (cable type A, PROFIBUS-DP): 93.75 kbit/s = 1200 m 187.5 kbit/s = 1000 m 500 kbit/s = 400 m1.5 Mbit/s = 200 m

12.0 Mbit/s = 100 m

### Product Make-up

- · Stranded bare copper wire
- Core insulation: foam skin, (O2YS)
- Overall screening with copper braid and plastic-laminated aluminium foil
- Outer sheath: PUR, violet (RAL 4001)



Article number	Article designation	Number of pairs and conductor diameter (mm)	Outer diameter [mm]	Copper index (kg/km)	Weight (kg/km)					
For highly flexible applications (e.g. power chains) - conventional cable assembly										
2170222	UNITRONIC <sup>®</sup> BUS PB FD P	1 x 2 x 0.64	8	30.1	64					

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

Copper price basis: EUR 150/100 kg. Refer to catalogue appendix T17 for the definition and calculation of copper-related surcharges.

Please find our standard lengths at: www.lapkabel.de/en/cable-standardlengths Packaging size: coil  $\leq$  30 kg or  $\leq$  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<sup>®</sup> 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 and graphics are not to scale and do not represent detailed images of the respective products.

Accessories

• Sub-D Bus-Connectors

**UNITRONIC®** 

ETHERLINE®

**HITRONIC®** 

EPIC

**SKINTOP** 

SILVYN®

**FLEXIMARK®** 

ACCESSORIES