



UNITRONIC® BUS PB 105

PROFIBUS cable with an extended temperature range up to +105 °C

LAPP KABEL STUÏTGART UNITRONIC® BUS PB 105

Application range

- Cable has been designed for use in factory halls where temperatures up to max. 105 °C may occur.

Product features

- High temperature resistance
- Flame-retardant according IEC 60332-1-2
- Oil-resistant

Product Make-up

- Stranded conductor, 7-wire, bare
- Conductor diameter: 0,64 mm (AWG24)
- Core insulation: PP
- Overall screening with copper braid and plastic-laminated aluminium foil
- Outer sheath: PVC, violet (RAL 4001)

Technical data

	Classification ETIM 5/6 ETIM 5.0/6.0 Class-ID: EC000830 ETIM 5.0/6.0 Class-Description: Data cable
	Mutual capacitance Approx. 28.5 nF/km
	Peak operating voltage max. 100 V (not for power applications)
	Minimum bending radius Fixed installation: 45 mm once Flexing: 65 mm
	Test voltage Core/core: 1500 V rms Core/screen: 1500 V
	Characteristic impedance (3 - 20 MHz): 150 ± 15 Ω
	Temperature range -30 °C to +105 °C

Article number	Article designation	Number of pairs and conductor diameter (mm)	Outer diameter [mm]	Copper index (kg/km)	Weight (kg/km)
2170630	UNITRONIC® BUS PB 105	1 x 2 x 0.64	8	30.1	72

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.lappkabel.de/en/cable-standardlengths

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

- Multipurpose shears A and B



UNITRONIC® BUS PB 105 plus

PROFIBUS cable with an extended temperature range up to +105 °C; short term +120 °C

LAPP KABEL STUÏTGART UNITRONIC® BUS PB 105 plus

Benefits

- No need for additional cable protection against high temperatures
- High temperature resistance

Application range

- For installation in hollow shaft between gear units and pitch system
- Suitable for fixed installation and occasionally flexible use in high temperature areas

Product features

- Permanent load up to +105 °C, temporary load +120 °C

Norm references / Approvals

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

Product Make-up

- Stranded conductor, 7-wire, bare
- Core insulation: polypropylene (PP)
- Overall screening with copper braid and plastic-laminated aluminium foil
- Outer sheath: TPE, violet (RAL 4001)

Technical data

	Classification ETIM 5/6 ETIM 5.0/6.0 Class-ID: EC000830 ETIM 5.0/6.0 Class-Description: Data cable
	Mutual capacitance (800 Hz): max. 30 nF/km
	Peak operating voltage (not for power applications) 250 V
	Minimum bending radius Fixed installation: 45 mm once Flexing: 65 mm
	Test voltage Core/core: 1500 V rms Core/screen: 1500 V eff.
	Characteristic impedance (3 - 20 MHz): 150 ± 15 Ω
	Temperature range Fixed installation: -40 °C to +105 °C Short-term: up to +120 °C

Article number	Article designation	Number of pairs and conductor diameter (mm)	Outer diameter [mm]	Copper index (kg/km)
2170635	UNITRONIC® BUS PB 105 plus	1x2x0,64	8	30.1

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