UNITRONIC® BUS PB 105 plus

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

Bus cable for PROFIBUS-DP, -FMS and FIP. No additional cable protection against high temp. Temperature range from -40°C bis +105°C (short-term: up to +120°C)



Supplementary automation components from Lapp

Mechanical and plant engineering

Heat-resistant

Temperature-resistant

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)

Last Update (23.02.2024)
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Product Management www.lappkabel.de
You can find the current technical data in the corresponding data sheet.
PN 0456 / 02_03.16

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Technical Data

Classification ETIM 5:	ETIM 5.0 Class-ID: EC000830 ETIM 5.0 Class-Description: Data cable
Classification ETIM 6:	ETIM 6.0 Class-ID: EC000830 ETIM 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 Ohm
Temperature range:	Fixed installation: -40 °C to +105 °C Short-term: up to +120 °C

Note

Photographs and graphics are not to scale and do not represent detailed images of the respective products.
Prices are net prices without VAT and surcharges. Sale to business customers only.

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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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