Bus system PROFIBUS-DP/FMS/FIP • Fixed Installation



UNITRONIC® BUS PB 105

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

Application		Product Make-up		ETIM	Classification ETIM 5/6 ETIM 5.0/6.0 Class-ID: EC000830 ETIM 5.0/6.0 Class-Description: Data cable	
 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 		 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) 		= 5	Mutual capacitance Approx. 28.5 nF/km Peak operating voltage max. 100 V (not for power application	
				Article number	Article designation	Number of pairs and conductor diameter (mm)
	BUS PB 105					
2170630	UNITRONIC [®] BUS PB 105	1 x 2 x 0.64	8		30.1	72

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

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UNITRONIC[®] BUS PB 105 plus

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

LAPP KABEL STUTTGART UNITRONIC[®] BUS PB 105 plus

Benefits

- No need for additional cable protection against high temperatures
- High temperature resistance
 - ingi 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
			D 111 10015

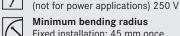
In accordance with DIN 19245 and EN 50170, e.g. for SIEMENS SIMATIC NET, also suitable for FIP (Factory Instrumentation Protocol)

Product Make-up

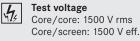
- Stranded conductor, 7-wire, bare
- Core insulation: polypropylene (PP)
- Overall screening with copper braid and plastic-laminated aluminium foil
- Outer sheath: TPE, violet (RAL 4001)

ETIM	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
4	Peak operating voltage

Technical data







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Temperature range

Fixed installation: -40°C to +105°C Short-term: up to +120 °C

Copper index (kg/km)

30.1

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

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ACCESSORIES

APPENDIX