

UNITRONIC® BUS PB

For PROFIBUS-DP/FMS/FIP Bus Systems; Stationary Applications; 150 Ω

LAPP KABEL STUTTGART UNITRONIC® BUS PB

LAPP KABEL STUTTGART UNITRONIC® BUS PB FC

UNITRONIC® BUS PROFIBUS cables are designed for automation networks requiring fast and reliable data exchange between controllers and field devices. Additional styles are available upon request (e.g., armored, high temperature, direct burial for outdoor, PROFIBUS PA for intrinsic safety).

■ Recommended Applications

Automation devices like sensors, actuators, PLCs, and PCs in dry or damp environments; PROFIBUS-DP/FMS/FIP bus systems

■ Max. Cable Length by Bit Rate for One Bus Segment

Communication Rate	Length of Cable Segment (ft) (m)	
93.75 Kbps	3936	1200
187.5 Kbps	3280	1000
500 Kbps	1312	400
1.5 Mbps	656	200
12.0 Mbps	328	100

Cable Attributes

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See attribute list by part number on page 155

Complete the Installation



SKINTOP®
MS-SC
page 516



EPIC® DATA
Connectors
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■ Approvals

■ Application Advantage

- Maximum EMI protection
- Fast connect style for quick installation
- Communication rate up to 12.0 Mbit/s
- Lapp USA is a member of the PROFIBUS User Organization (PNO)
- Call your sales representative for additional styles

■ Technical Data



Minimum Bend Radius:

- for installation: 10 x cable diameter



Temperature Range:

- PVC: -40°C to +80°C
- Halogen-free: -30°C to +80°C



Characteristic Impedance: 150 Ω ± 15 Ω



Nominal Capacitance:

9 pF/ft



Color Code:

Red & green pair



Approvals:

UL: CMG (see table below)
CMX (2170219)
CL3 (2170824, 2170820)
Canada: c(UL) CMG (see table below)
c(UL) CMX (2170219)

Part Number	Jacket Type	Conductor Description (AWG/Pair)	Approvals	Nominal Outer Diameter		Copper Weight	Approx. Weight	SKINTOP® MS-SC PG Thread
Stationary								
2170220	PVC	22 AWG/1pr	—	0.315	8	20	50	53112220
2170219	PVC	22 AWG/1pr	UL/CSA CMX	0.315	8	20	38	53112220
2170824*	PVC	24 AWG/1pr, 7 wire	UL/CSA CMG	0.315	8	20	37	53112220
Stationary: Fast Connect								
2170820	PVC	22 AWG/1pr	UL/CSA CMG	0.315	8	17	56	53112220
2170853	Halogen-free	22 AWG/1pr	UL/CSA CMG	0.315	8	20	50	53112220

*For applications where vibrations occur.