UNITRONIC® BUS PB FD

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

LAPP KABEL STUTTGART UNITRONIC® BUS PB FD

LAPP KABEL STUTTGART UNITRONIC® BUS PB FD FC

UNITRONIC® BUS PROFIBUS FD cables are designed for automation networks requiring fast and reliable data exchange between controllers and field devices.

■ Construction

Conductors: Stranded bare copper

Insulation: Polyethylene

Shielding: Specially designed foil/tinned copper braid

Jacket: Polyurethane; violet

■ Recommended Applications

Highly flexible applications like cable tracks & moving machine parts; PROFIBUS-DP/FMS/FIP bus systems

■ Application Advantage

• Oil-resistant and flame retardant outer jacket
• Fast connect style for quick installation
• Communication rate up to 12 Mbit/s
• Lapp USA is a member of the PROFIBUS User Organization (PNO)

■ Approvals

Cable Attributes	page 640	Complete the Installation		ÖLFLEX® CONNECT Solution
See attribute list by part number on page 155		SKINTOP® MS-SC page 516	EPIC® DATA Connectors page 170	PROFIBUS Cordsets page 618

■ Technical Data

Minimum Bend Radius:
- for continuous flexing:
  - 2170222 & 2170822: 9 x cable diameter
  - 2170322: 15 x cable diameter

Temperature Range:
- for stationary use: –40°C to +80°C
- for flexible use: –30°C to +70°C

Characteristic Impedance: 150 Ω ± 15 Ω

Nominal Capacitance: 9 pF/ft

Color Code: Red & green pair

Approvals:
UL:	CMX (2170822, 2170322)
Canada:	c(UL) CMX (2170822, 2170322)
Additional:	Torsion rated for Wind Market (± 150°/m) (2170222, 2170822)

Part Number	Jacket Type	Conductor Description (AWG/Pair)	Approvals	Nominal Outer Diameter (in)	(mm)	Copper Weight (lbs/mft)	Approx. Weight (lbs/mft)	SKINTOP® MS-SC PG Thread
Continuous Flex								
2170222	PUR	24 AWG/1pr	–	0.315	8	20	43	53112220
2170822	PUR	24 AWG/1pr	UL/CSA CMX	0.315	8	20	39	53112220
Continuous Flex: Fast Connect								
2170322	PUR	24 AWG/1pr	UL/CSA CMX	0.315	8	17	53	53112220