

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 PB FD cables are designed for automation networks requiring fast and reliable data exchange between controllers and field devices.

Recommended applications

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

Approvals

Cable attributes

page 648

See attribute list by part number on page 166*

Complete the installation



SKINTOP®
MS-SC
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EPIC® DATA
connectors
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ÖLFLEX® CONNECT solution



PROFIBUS
cordsets
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Technical data**Minimum bend radius:**

- for continuous flexing: 9 x cable diameter
- 2170222 & 2170822: 9 x cable diameter
- 2170322 & 2170854: 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)
CMG (2170854)
Canada: c(UL) CMX (2170822, 2170322)
c(UL) CMG (2170854)
Additional: Torsion rated for wind market
(± 150°/m) (2170222, 2170822)

*UL Verified ID A522492: Continuous Flex Test Method Verified

Part number	Jacket material	Conductor description	Approvals	Nominal outer diameter		Copper weight	Approx. weight	SKINTOP®
				in	mm	lbs/mft	lbs/mft	MS-SC PG thread
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
Fast connect								
2170322	PUR	24 AWG/ 1pr	UL/CSA CMX	0.315	8	17	53	53112220
2170854	halogen-free	24 AWG/ 1pr	UL/CSA CMG	0.315	8	20	50	53112220

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Recommended SKINTOP® assumes minimal OD variance. Additional configurations are available; please see our SKINTOP® section.
If not otherwise specified, all values relating to the product are nominal values.
Photographs are not to scale and are not true representations of the products in question.