

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 page 522



EPIC® DATA connectors page 179

ÖLFLEX® CONNECT solution



PROFIBUS cordsets page 626

Technical data

Minimum bend radius:
 - for continuous flexing:
 - 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)
 CM (2170997)
 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 lbs/mft	Approx. weight lbs/mft	SKINTOP® MS-SC PG thread
				in	mm			
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
2170997	halogen-free	24 AWG/ 1pr	UL CMG	0.315	8	20	50	53112220

Construction

Conductors: stranded bare copper

Insulation: polyethylene

Shielding: specially designed foil/tinned copper braid

Jacket: polyurethane or halogen-free; violet

Application advantage

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