

UNITRONIC® BUS PB FD HYBRID

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

LAPP KABEL STUTTGART UNITRONIC® PB FD HYBRID



UNITRONIC® BUS PB FD HYBRID is designed for automation networks requiring fast and reliable data exchange between controllers and field devices.

Construction

Conductors: Data pairs: stranded bare copper; Power conductors: stranded bare copper

Insulation: Data pairs: Polyethylene; Power conductors: PVC

Shielding: Screened pair and 4 control conductors twisted together with yarn; Data pairs: specially designed foil/tinned copper braid

Jacket: Violet PVC

Recommended Applications

Highly flexible hybrid (data and power) applications like power chains & moving machine parts; PROFIBUS bus systems DP, FMS, and FIP

Application Advantage

- Hybrid cable for data transmission and power supply
- Oil-resistant and flame retardant outer jacket
- Sunlight resistant
- Lapp USA is a member of the PROFIBUS User Organization (PNO)

Approvals



Cable Attributes, see page 659

OR-02	FR-03	CF-02	MP-01
OIL	FLAME	MOTION	MECHANICAL

Similar Cables

- UNITRONIC® BUS PB FD

Complete the Installation



SKINTOP®
Strain Relief:
page 502

Technical Data

Minimum Bend Radius: - for stationary use: 10 x cable diameter - for continuous flexing: 15 x cable diameter	Nominal Capacitance: 9 pF/ft
Temperature Range: -5°C to +80°C	Color Code: - Data pairs: Red & green - Power conductors: Black cores numbered 1, 2, 3, 4
Nominal Voltage: 600V (not for power applications)	Approvals: UL: CMG CL3 Canada: c(UL) CMG
Characteristic Impedance: 150 Ω ± 15 Ω	

Part Number	Jacket Type	Conductor Description (AWG/Pair + AWG/Conductors)	Approval	Nominal Outer Diameter (inches) (mm)	Copper Weight (lbs/mft)	Approx. Weight (lbs/mft)	SKINTOP® Non-Metallic PG Thread
Continuous Flex 2170875	PVC	24 AWG/1pr + 16 AWG/4c	UL/CSA CMG	0.445 11.3	60	104	S2116

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