

Lapp Group North America



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UNITRONIC®

Bus Cable & Connectors • PROFIBUS

UNITRONIC® BUS PB FD HYBRID

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



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

Recommended Applications

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

Approvals



Shielded Construction

Conductors: Stranded bare copper

Data Pairs: Specially designed foil/tinned copper braid shield

Insulation:

Data pairs: Polyethylene

Power conductors: PVC

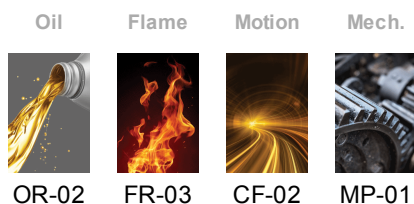
Shielding: Shielded pair and four control conductors twisted together with yarn

Jacket: Violet PVC

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)

Cable Attributes



Similar Cable








- UNITRONIC® BUS PB FD

Complete the Installation



SKINTOP® Strain Relief

Technical Data

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

Part Number	Jacket Material	Conductor Description (AWG/Pair or Conductor)	Approval	Nominal Outer Diameter		Copper Weight (lbs/mft)	Approx. Weight (lbs/mft)	SKINTOP® Non-Metallic PG Thread
				(in)	(mm)			
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. If not otherwise specified, all values relating to the product are nominal values.

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