UNITRONIC®

Bus cable & connectors

UNITRONIC® BUS PB FD HYBRID/COMBI

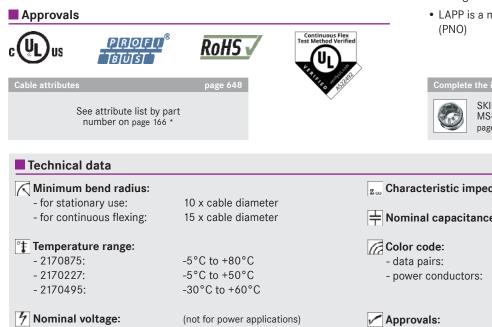
For PROFIBUS-DP/FMS/FIP bus systems; continuous flex applications; 150 Ω



UNITRONIC[®] BUS PB FD HYBRID/COMBI 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-DP/FMS/FIP bus systems



Construction

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Conductors: data pairs: stranded bare copper • power conductors: stranded bare copper

Insulation: data pairs: polyethylene • power conductors: PVC

Shielding: shielded pair and 4 control conductors twisted together with yarn • data pairs: specially designed foil/tinned copper braid

Jacket: PVC or PUR; violet

Application advantage

- · Hybrid cable for data transmission and power supply
- · Oil-resistant and flame retardant outer jacket
- Sunlight resistant
- LAPP is a member of the PROFIBUS User Organization

Complet	te the installation
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Minimum bend radius:		\mathbf{z}_{∞} Characteristic impedance:	150 Ω ± 15 Ω 9 pF/ft		
- for stationary use: - for continuous flexing:	10 x cable diameter 15 x cable diameter	Hominal capacitance:			
Temperature range: - 2170875: - 2170227: - 2170495:	-5°C to +80°C -5°C to +50°C -30°C to +60°C	Color code: - data pairs: - power conductors:	red & green black conductors with white numbers: 1, 2, 3, 4		
Nominal voltage: - 2170875: - 2170227 & 2170495:	(not for power applications) 600V 100V	Approvals: UL: Canada: *UL Verified ID A522492:	CL3* c(UL) CMG* *UNITRONIC® BUS PB FD Y HYBRID		

Part number	Jacket material	Conductor description	Approvals		ninal iameter mm	Copper weight lbs/mft	Approx. weight lbs/mft	SKINTOP* SL PG thread	
UNITRONIC® BUS PB FD Y HYBRID									
2170875	PVC	24 AWG/1pr + 16 AWG/4c	UL/CSA CMG	0.445	11.3	60	104	S2116	
UNITRONIC® BUS PB FD P COMBI									
2170227	PUR	24 AWG/1pr + 18 AWG/3c	_	0.398	10.1	40	84	S2116	
UNITRONIC® BUS PB FD P HYBRID									
2170495	PUR	24 AWG/1pr + 16 AWG/4c	_	0.445	11.3	60	100	S2116	

PROFIBUS is a registered trademark of PROFIBUS & PROFINET International (PI). 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.





