

UNITRONIC® BUS PB TORSION

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



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

Construction

Conductors: stranded bare copper

Insulation: polyethylene

Shielding: specially designed foil/tinned copper braid

Jacket: halogen-free polyurethane; violet

Recommended applications

Torsion applications like robots; PROFIBUS-DP/FMS/FIP bus systems

Approvals



Cable attributes		page 648	
OIL	OR-04	FLAME	FR-02
MOTION	FL-02	MECH.	MP-05

Application advantage

- For torsional stress ± 180°/meter
- Halogen-free and flame retardant outer jacket
- Communication rate up to 12 Mbit/s
- LAPP is a member of the PROFIBUS User Organization (PNO)

Complete the installation

SKINTOP® MS-SC
page 522

EPIC® DATA connectors
page 179

Technical data

<p> Minimum bend radius: - for stationary use: 4 x cable diameter - for flexible use: 15 x cable diameter</p> <p> Temperature range: -25°C to +75°C</p> <p> Nominal voltage: 300V (not for power applications)</p>	<p> Characteristic impedance: 150 Ω ± 15 Ω</p> <p> Nominal capacitance: 9 pF/ft</p> <p> Color code: red & green</p> <p> Approvals: UL: CMX Canada: c(UL) CMX</p>
---	--

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			
2170332	PUR	22 AWG/1pr	UL/CSA CMX	0.315	8	21	44	53112220

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.