

UNITRONIC® BUS CAN FD

For CAN Bus Systems; Continuous Flex Applications; 120 Ω



UNITRONIC® BUS CAN FD is designed to the CAN open and ISO11898 standard. It is well suited for high-speed motion control and feedback loop applications, providing high reliability and efficient use of network bandwidth.

Recommended Applications

Motion control systems; assembly, welding, and material handling machines; single cable wiring of multi-input sensor blocks; smart sensors; pneumatic valves; barcode readers; drives and operator interfaces

Approvals



Rate Table (ISO 11898 Recommendations)

Distance (m)	AWG	Max. Rate
0 - 40	22	1 Mbps @ 40 m
40 - 300	22, 20	50 kbps @ 100 m
300 - 600	20	100 kbps @ 500 m
600 - 1000	19	50 kbps @ 1 km

Cable Attributes, see page 659

OR-04	FR-02	CF-02	MP-05
OIL	FLAME	MOTION	MECHANICAL

Similar Cables

- UNITRONIC® BUS CAN

Complete the Installation

	SKINTOP® MS-SC: page 528		CAN Bus Connectors page 186
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Technical Data

Minimum Bend Radius: 15 x cable diameter	Nominal Capacitance: 18 pF/ft
Temperature Range: - for installation: -40°C to +80°C - for continuous flexing: -30°C to +70°C	Color Code: - Pair 1: White & brown - Pair 2: Green & yellow
Nominal Voltage: 250V	Approvals: UL: CMX Canada: c UL CMX
Characteristic Impedance: 120 Ω ± 15 %	

Part Number	Conductor Description (AWG/Pair)	Nominal Outer Diameter (inches)	(mm)	Copper Weight (lbs/mft)	Approx. Weight (lbs/mft)	SKINTOP® MS-SC PG Thread
Continuous Flex						
2170272	24 AWG/1pr	0.252	6.4	16	27	53112210
2170273	24 AWG/2pr	0.331	8.4	22	44	53112220
2170275	22 AWG/1pr	0.268	6.8	22	40	53112210
2170276	22 AWG/2pr	0.378	9.6	35	59	53112230
2170278	20 AWG/1pr	0.315	8.0	28	50	53112220
2170279	20 AWG/2pr	0.426	10.8	40	67	53112230

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.