

# UNITRONIC® BUS CAN

For CAN Bus Systems; Stationary Applications; 120 Ω

LAPP KABEL STUTTGART UNITRONIC® BUS CAN



UNITRONIC® BUS CAN 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-00	FR-02	FL-02	MP-01
OIL	FLAME	MOTION	MECHANICAL

### Similar Cables

- UNITRONIC® BUS CAN FD

### Complete the Installation

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

<b>Minimum Bend Radius:</b>	10 x cable diameter	<b>Nominal Capacitance:</b>	12 pF/ft
<b>Temperature Range:</b>	-30°C to +80°C	<b>Color Code:</b>	DIN 47100: Chart 8, page 697 - Pair 1: White & brown - Pair 2: Green & yellow
<b>Nominal Voltage:</b>	250V	<b>Approvals:</b>	UL: CMX Canada: c(UL) CMX
<b>Characteristic Impedance:</b>	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
<b>Stationary</b>						
2170260	24 AWG/1pr	0.224	5.7	11	28	53112220
2170261	24 AWG/2pr	0.299	7.6	23	46	53112220
2170263	22 AWG/1pr	0.268	6.8	17	37	53112220
2170264	22 AWG/2pr	0.335	8.5	31	59	53112220
2170266	20 AWG/1pr	0.296	7.5	28	60	53112220
2170267	20 AWG/2pr	0.382	9.7	40	71	53112230
2170269	19 AWG/1pr	0.343	8.7	35	73	53112220
2170270	19 AWG/2pr	0.453	11.5	54	95	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.