

NAVIGATE THE CATALOG BY SECTIONS

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Product Chapter Finder "Flip" Catalogs: Advanced Product Searches:

UNITRONIC®

Bus Cable & Connectors • CAN Bus

UNITRONIC® BUS CAN

For CAN Bus Systems; Stationary Applications; 120 Ω

LAPP KABEL STÜTTGART UNITRONIC® BUS CAN



UNITRONIC® BUS CAN is designed to the CAN open and ISP11898 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

Rate Table (ISO 11898 Recommendations)

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

Shielded Construction

- Conductors:** 7-wire strands of bare copper
- Insulation:** Polyethylene
- Shielding:** Foil wrap; tinned copper braid
- Jacket:** Violet PVC

Application Advantage

- Signal integrity in stationary motion applications
- Flame retardant
- Oil-resistant jacket
- Flexible for ease of routing

Approvals



Cable Attributes

Oil Flame Motion Mech.

OR-00 FR-02 FL-02 MP-01

Similar Cable

- UNITRONIC® BUS CAN FD

Complete the Installation

SKINTOP® MS-SC

EPIC® Data Connectors

Technical Data

Minimum Bend Radius	10 x cable diameter	Characteristic Impedance	120 Ω ± 15%
Temperature Range	-30°C to +80°C	Nominal Capacitance	12 pF/ft
Nominal Voltage	250V (not for power applications)	Color Code	DIN 47100: Chart 8 - Pair 1: White & brown - Pair 2: Green & yellow
		Approvals	UL: CMX Canada: c(UL) CMX

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

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