Bus Cable & Connectors CAN Bus

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 ISO 11898 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



■ Technical Data Minimum Bend Radius:

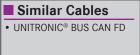




Rate Table (ISO 11898 Recommendations)

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	







* Temperature Range: -30°C to +80°C 7 Nominal Voltage: 250V

10 x cable diameter

Characteristic Impedance: $120 \Omega \pm 15\%$ **┿** Nominal Capacitance: 12 pF/ft

■ Construction

Jacket: Violet PVC

· Flame retardant

 Oil-resistant jacket · Flexible for ease of routing

Insulation: Polyethylene

Application Advantage

Conductors: 7-wire strands of bare copper

Shielding: Foil wrap; tinned copper braid shield

· Signal integrity in stationary motion applications

Color Code: DIN 47100: Chart 8, page 697 - Pair 1: White & brown

- Pair 2: Green & yellow

Approvals: UL: CMX Canada: cUL CMX

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

