UNITRONIC® BUS CAN

For CAN Bus Systems; Stationary Applications; 120 Ω

Construction

Conductors: 7-wire strands of bare copper

Insulation: Polyethylene

Shielding: Foil wrap; tinned copper braid shield

Jacket: PVC; violet

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

■ Rate Table

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	

Application Advantage

Signal integrity in stationary motion applications

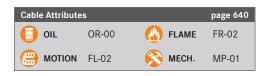
White & brown

- · Flame retardant
- · Oil-resistant jacket
- · Flexible for ease of routing

Approvals









■ Technical Data

Minimum Bend Radius: Nominal Capacitance: 12 pF/ft 10 x cable diameter

* Temperature Range: -30°C to +80°C Color Code: DIN 47100: Chart 8, page 674 - Pair 1:

- Pair 2: 7 Nominal Voltage: Green & yellow 250V (not for power applications)

Characteristic Impedance: $120 \Omega \pm 15\%$ ✓ Approvals: UL: CMX Canada: c(UL) CMX

	Conductor Description	Nominal Outer Diameter		Copper Weight	Approx. Weight	SKINTOP® MS-SC
	(AWG/Pair)	(in)	(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 / 2nr	0.453	11.5	54	95	53112230