UNITRONIC® BUS CAN

For CAN Bus Systems; Stationary Applications; 120 Ω

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.

Construction

Conductors: 7-wire strands of bare copper

Insulation: Polyethylene

Shielding: Foil wrap; tinned copper braid shield

Jacket: Violet PVC

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

Application Advantage

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

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 page659

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

Technical Data

Minimum Bend Radius:	10 x cable diameter	**Nominal Capacitance:**	12 pF/ft
Temperature Range:	-30°C to +80°C	**Color Code:**	DIN 47100: Chart 8, page 697
		- Pair 1:	White & brown
Nominal Voltage:	250V	- Pair 2:	Green & yellow
Characteristic Impedance:	120 Ω ± 15%	**Approvals:** UL:	CMX
		Canada:	cUL CMX

Part Number	Conductor Description (AWG/Pair)	Nominal Outer Diameter (inches)	(mm)	Copper Weight (lbs/mft)	Approx. Weight (lbs/mft)	SKINTOP® MS-SC 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.