

UNITRONIC® BUS- CAN BUS Cables



CAN BUS Cable

120 Ohm BUS Cable for Static and Continuous Flex Applications



UNITRONIC® BUS - CAN Bus cables are designed to the CAN open and ISO 11898 standard. Cable is well suited for high-speed motion control and feedback loop applications providing high reliability, efficient use of network bandwidth and power available on the network.

Application Advantage:

- Signal integrity in static and continuous motion applications
- Flame resistant
- Oil resistant
- Flexible for ease of routing

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.

UNITRONIC® BUS CAN Construction:

7-wire stranded twisted pair data cable, polyethylene insulation; conductors are surrounded with a foil wrap and a tinned copper braid shield; violet jacket is PVC.

LAPP KABEL STUFGART UNITRONIC® BUS CAN



UNITRONIC® BUS FD P CAN Construction:

Finely stranded twisted pair data cable, polyethylene insulation; conductors are surrounded with a non-wicking textile wrap and a tinned copper braid shield; violet halogen-free PUR jacket.

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Cable Attributes, See Page 653

	Oil Resistance: OR-01		Flame Resistance: FR-02
	Motion Type: FL-01		Mechanical Properties: MP-01

Rate Table:

(ISO 11898 Recommendations)

Distance (Meters)	AWG	Max. Rate
0 to 40	22	1 Mbps @ 40m
40 to 300	22, 20	500 kpps @ 100m
300 to 600	20	100 kbps @ 500m
600 to 1000	18	50 kbps @ 1 km

Complete the installation with:

	SKINTOP® Strain Relief: Page 486		EPIC® Connectors: Page 251
	OLFLEX® Tubing: Page 546		Cable Assemblies: Page 627

Technical Data:

	Minimum Bending Radius: - static: 8 x cable diameter - flexing: 10 x cable diameter		Characteristic Impedance: 120 Ohm +/- 15 Ohms
	Temperature Range: - static: -30°C to +70°C - flexing: -40°C to +75°C		Nominal Capacitance: 17 pF/ft
	Color Code: DIN 47100, Chart 7, Page 673		Approvals: UL: CMX CSA: CMX
	Nominal Voltage: 250V		
	Test Voltage: 1500V		

Part Number	Pairs	Conductor Description	Nominal Outer Diameter		Copper Weight lbs/mft	Jacket Color	Approx. Weight	
			inches	mm			lbs/mft	kg/km
Static Install								
2170260	1pr	24 AWG	.224	5.7	11	Violet	28	42
2170261	2pr	24 AWG	.299	7.6	23	Violet	46	68
2170263	1pr	22 AWG	.268	6.8	17	Violet	37	55
2170264	2pr	22 AWG	.335	8.5	31	Violet	59	88
2170266	1pr	20 AWG	.295	7.5	28	Violet	60	90
2170267	2pr	20 AWG	.382	9.7	40	Violet	71	106
Continuous Flex								
2170272	1pr	24 AWG	.252	6.4	12	Violet	27	40
2170273	2pr	24 AWG	.331	8.4	22	Violet	47	70
2170275	1pr	22 AWG	.268	6.8	22	Violet	40	60
2170276	2pr	22 AWG	.378	9.6	35	Violet	59	88
2170278	1pr	20 AWG	.315	8.0	28	Violet	50	74
2170279	2pr	20 AWG	.425	10.8	40	Violet	67	100