

UNITRONIC® BUS DeviceNet™ FD Gray

For DeviceNet Bus Systems; Continuous Flex Applications; 120 Ω



UNITRONIC® BUS DeviceNet FD cables provide reliable data and power transfer between industrial automation devices like sensors, actuators & PLCs. The cables are designed to perform in harsh chemical & mechanical environments and are in full compliance with ODVA specifications.

Recommended Applications

DeviceNet bus systems; cable tracks and moving machine parts, wiring of automation devices like sensors, actuators, PLCs, and PCs

Approvals



Construction

Conductors: Stranded tinned copper

Insulation: Power conductors: PVC;
Data conductors: Polyethylene

Shielding: Pairs: tri-laminated foil shield (100% coverage); tinned copper drain wire; overall foil wrap and braid (65% coverage)

Jacket: Gray PVC

Application Advantage

- Cable can supply device with power and data, wiring is minimized
- Full compliance with ODVA specifications
- Communication rate up to 500 Kbps
- Oil-resistant PVC jacket

Rate Table

Communication Rate	Maximum Length: Trunk Cable				Maximum Length: Drop Cable			
	THICK		THIN		THICK		THIN	
	(feet)	(meters)	(feet)	(meters)	(feet)	(meters)	(feet)	(meters)
125 Kbps	1640	500	328	100	512	156	20	6
250 Kbps	820	250	328	100	256	78	20	6
500 Kbps	328	100	328	100	128	39	20	6

Lapp Systems Advantage

For DeviceNet™ cordsets, see page 640



Cable Attributes, see page 659

OR-01	FR-03	CF-02	MP-01
OIL	FLAME	MOTION	MECHANICAL

Similar Cables

- UNITRONIC® BUS DeviceNet™ FD Violet

Complete the Installation

	SKINTOP® MS-SC: page 528
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Technical Data

Minimum Bend Radius: - for continuous flexing: 10 x cable diameter	Nominal Capacitance: 12 pF/ft
Temperature Range: -20°C to +75°C	Color Code: - Power pair: Red & black - Data pair: Blue & white
Nominal Voltage: 300V	Approvals: UL: CL2 CM (6002) Canada: CSA AWM (6001) CSA CMG (6002)
Characteristic Impedance: 120 Ω	

Part Number	Type	Conductor Description (AWG/Pair)	Nominal Outer Diameter (inches) (mm)	Copper Weight (lbs/mft)	Approx. Weight (lbs/mft)	SKINTOP® MS-SC PG Thread
Continuous Flex						
6001	Thick	18 AWG/1pr + 14 AWG/1pr	0.468 11.9	60	145	53112240
6002	Thin	24 AWG/1pr + 22 AWG/1pr	0.283 7.2	23	43	53112210

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.