

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, automation devices like sensors, actuators, PLCs, and PCs

Rate table

Communication rate	Maximum length: trunk cable				Maximum length: drop cable			
	THICK		THIN		THICK		THIN	
	ft	m	ft	m	ft	m	ft	m
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

Cable attributes

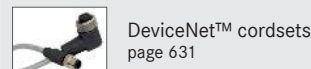
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	OIL	OR-01		FLAME	FR-03
	MOTION	CF-02*		MECH.	MP-01

Complete the installation



ÖLFLEX® CONNECT solution



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: PVC; gray

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

Approvals



Technical data

Minimum bend radius:
- for continuous flexing: 10 x cable diameter

Temperature range: -20°C to +75°C

Nominal voltage: 300V

Characteristic impedance: 120 Ω

Nominal capacitance: 12 pF/ft

Color code:
- power pair: red & black
- data pair: blue & white

Approvals: UL: CL2
CM (6002)
Canada: CSA AWM (6001)
CSA CMG (6002)
*UL Verified ID A522492: Continuous Flex Test Method Verified

Part number	Type	Conductor description	Nominal outer diameter		Copper weight lbs/mft	Approx. weight lbs/mft	SKINTOP® MS-SC PG thread
			in	mm			
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

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Recommended SKINTOP® assumes minimal OD variance. Additional configurations are available; please see our SKINTOP® section.
If not otherwise specified, all values relating to the product are nominal values.
Photographs are not to scale and are not true representations of the products in question.