

UNITRONIC® BUS DeviceNet™ Gray

For DeviceNet bus systems; stationary applications; 120 Ω



UNITRONIC® BUS DeviceNet 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; 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

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

Approvals



DeviceNet



Cable attributes		page 648	
OIL	OR-01	FLAME	FR-02
MOTION	FL-02	MECH.	MP-01

Complete the installation



SKINTOP® MS-SC
page 522

ÖLFLEX® CONNECT solution



DeviceNet™ cordsets
page 631

Technical data

Minimum bend radius: - for installation: 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 Canada: CSA AWM
Characteristic impedance: 120 Ω	

Part number	Type	Conductor description	Nominal outer diameter		Copper weight lbs/mft	Approx. weight lbs/mft	SKINTOP® MS-SC PG thread
			in	mm			
4001	Thick	18 AWG/1pr + 15 AWG/1pr	0.437	11.1	57	140	53112240
4002	Thin	24 AWG/1pr + 22 AWG/1pr	0.260	6.6	20	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.
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