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

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

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

Approvals

UL, CSA, DeviceNet, RoHS

Cable Attributes page 640

OIL	OR-01	FLAME	FR-02
MOTION	FL-02	MECH.	MP-01

Complete the Installation

SKINTOP® MS-SC page 516

ÖLFLEX® CONNECT Solution

DeviceNet™ Cordsets page 623

Technical Data

Minimum Bend Radius:
- for installation: 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
Canada: CSA AWM

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