

UNITRONIC® BUS DeviceNet™ FD Violet

For DeviceNet Bus Systems; Continuous Flex Applications; 120 Ω

LAPP KABEL STUTTGART UNITRONIC® DeviceNet™ THICK

LAPP KABEL STUTTGART UNITRONIC® DeviceNet™ THIN

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

Approvals



Construction

Conductors: Stranded tinned copper

Insulation: Power conductors: PVC (PVC jacket); polyethylene (PUR jacket); Data conductors: Polyethylene

Shielding: Pairs: tri-laminated foil shield; tinned copper drain wire; overall foil wrap and braid

Jacket: PVC or polyurethane; violet


Application Advantage

- Cable can supply device with power and data, minimizing wiring
- Communication rate up to 500Kbps
- Oil-resistant PVC or abrasion-resistant PUR
- Full compliance with ODVA specifications


Cable Attributes page 640

See attribute list by part number on page 155








Complete the Installation

 SKINTOP® MS-SC page 516

ÖLFLEX® CONNECT Solution

 ÖLFLEX® CONNECT CABLES page 597

Technical Data

<p> Minimum Bend Radius: - for continuous flexing: 15 x cable diameter</p> <p> Temperature Range: - PUR: -40°C to +75°C - PVC: -10°C to +75°C</p> <p> Nominal Voltage: 300V</p> <p> Characteristic Impedance: 120 Ω</p> <p> Nominal Capacitance: 12 pF/ft</p>	<p> Color Code: - Power pair: Red & black - Data pair: Blue & white</p> <p> Approvals: UL: CMG (2170346, 2170347) CMX (2170344, 2170345) PLTC (2170346) CLX2 (2170344, 2170345) CL2 (2170347) Canada: c(UL) CMG (2170346, 2170347) c(UL) CMX (2170344, 2170345)</p>
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Part Number	Type	Conductor Description (AWG/Pair)	Nominal Outer Diameter (in)	Nominal Outer Diameter (mm)	Copper Weight (lbs/mft)	Approx. Weight (lbs/mft)	SKINTOP® MS-SC PG Thread
Continuous Flex: PUR							
2170344	Thick	18 AWG/1pr + 15 AWG/1pr	0.480	12.2	63	124	53112240
2170345	Thin	24 AWG/1pr + 22 AWG/1pr	0.272	6.9	22	45	53112210
Continuous Flex: PVC							
2170346	Thick	18 AWG/1pr + 15 AWG/1pr	0.480	12.2	63	131	53112240
2170347	Thin	24 AWG/1pr + 22 AWG/1pr	0.272	6.9	22	47	53112210

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