

# 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



Cable attributes page 648

See attribute list by part number on page 166

Complete the installation



SKINTOP® MS-SC  
page 522

ÖLFLEX® CONNECT solution



ÖLFLEX® CONNECT CABLES  
page 605

## Technical data

<p> <b>Minimum bend radius:</b> - for continuous flexing: 15 x cable diameter</p> <p> <b>Temperature range:</b> - PUR: -40°C to +75°C - PVC: -10°C to +75°C</p> <p> <b>Nominal voltage:</b> 300V</p> <p> <b>Characteristic impedance:</b> 120 Ω</p> <p> <b>Nominal capacitance:</b> 12 pF/ft</p>	<p> <b>Color code:</b> - power pair: red &amp; black - data pair: blue &amp; white</p> <p> <b>Approvals:</b> 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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## 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

Part number	Type	Jacket material	Conductor description	Nominal outer diameter		Copper weight lbs/mft	Approx. weight lbs/mft	SKINTOP® MS-SC PG thread
				in	mm			
2170344	Thick	PUR	18 AWG/1pr + 15 AWG/1pr	0.480	12.2	63	124	53112240
2170345	Thin	PUR	24 AWG/1pr + 22 AWG/1pr	0.272	6.9	22	45	53112210
2170346	Thick	PVC	18 AWG/1pr + 15 AWG/1pr	0.480	12.2	63	131	53112240
2170347	Thin	PVC	24 AWG/1pr + 22 AWG/1pr	0.272	6.9	22	47	53112210