

UNITRONIC® BUS DeviceNet™ Violet

For DeviceNet bus systems; stationary applications; 120 Ω

LAPP KABEL STUTTGART UNITRONIC® DeviceNet™ THICK

LAPP KABEL STUTTGART UNITRONIC® DeviceNet™ THIN



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

Approvals



Construction

Conductors: stranded tinned copper

Insulation: power conductors: PVC (PVC jacket); polyethylene (halogen-free jacket) • data conductors: polyethylene

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

Jacket: PVC or halogen-free; violet


Application advantage

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

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

Minimum bend radius:
- for installation: 7.5 x cable diameter

Temperature range:
- PVC: -20°C to +75°C
- halogen-free: -25°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: CMG
PLTC (2170342, 2170340)
CL2 (2170343)
Canada: c(UL) CMG

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			
2170342	Thick	PVC	18 AWG/1pr + 15 AWG/1pr	0.480	12.2	59	129	53112240
2170343	Thin	PVC	24 AWG/1pr + 22 AWG/1pr	0.272	6.9	22	45	53112210
2170340	Thick	halogen-free & flame retardant (FRNC)	18 AWG/1pr + 15 AWG/1pr	0.480	12.2	59	131	53112240
2170341	Thin	halogen-free & flame retardant (FRNC)	24 AWG/1pr + 22 AWG/1pr	0.272	6.9	22	47	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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