

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



Cable Attributes page 640

See attribute list by part number on page 155

Complete the Installation



SKINTOP® MS-SC page 516

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

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	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
Stationary: PVC							
2170342	Thick	18 AWG/1pr + 15 AWG/1pr	0.480	12.2	59	129	53112240
2170343	Thin	24 AWG/1pr + 22 AWG/1pr	0.272	6.9	22	45	53112210
Stationary: Halogen-Free & Flame Retardant (FRNC)							
2170340	Thick	18 AWG/1pr + 15 AWG/1pr	0.480	12.2	59	131	53112240
2170341	Thin	24 AWG/1pr + 22 AWG/1pr	0.272	6.9	22	47	53112210

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