UNITRONIC® BUS DeviceNet™ FD Violet

For DeviceNet bus systems; continuous flex applications; 120 Ω

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.

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

Recommended applications

DeviceNet bus systems; cable tracks and moving machine parts; automation devices like sensors, actuators, PLCs, and PCs

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

Approvals

c UL us · DeviceNet · RoHS

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 continuous flexing: 15 x cable diameter

Temperature range:
- PUR: -40°C to +75°C
- PVC: -10°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 (2170346, 2170347)
CMX (2170344, 2170345)
PLTC (2170346)
CLX2 (2170344, 2170345)
CL2 (2170347)
Canada: c(UL) CMG (2170346, 2170347)
c(UL) CMX (2170344, 2170345)

Part number	Type	Jacket material	Conductor description	Nominal outer diameter in	Nominal outer diameter mm	Copper weight lbs/mft	Approx. weight lbs/mft	SKINTOP® MS-SC PG thread
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

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.
Photographs are not to scale and are not true representations of the products in question.