

## UNITRONIC® BUS ASi FD

For Actuator Sensor Interface (AS-i) bus systems; continuous flex applications; 140 Ω

LAPP KABEL STUTTGART UNITRONIC® BUS ASi FD

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UNITRONIC® BUS ASi FD is a geometrically-coded, 2-conductor flat cable designed for data and power transfer between simple I/O devices on the sensor/actuator level. This cable is suitable for continuous flex applications and has a halogen-free PUR or oil-resistant TPE jacket.

### Recommended applications

Continuous flex applications e.g. cable tracks and moving machine parts; data and power transmission between sensors, actuators, slaves, repeaters and master

### Approvals



Cable attributes

page 648

See attribute list by part number on page 166

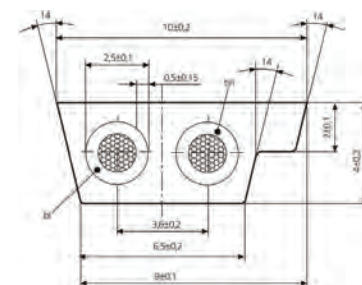
Complete the installation



SKINTOP® strain relief  
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SKINTOP® DIX-ASi  
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### Technical data



#### Minimum bend radius:

- for stationary use: 12 mm
- for continuous flexing: 24 mm



#### Temperature range:

- PUR:
  - fixed installation: -40°C to +80°C
  - flexible without fixing: -30°C to +70°C
- TPE:
  - fixed installation: -40°C to +105°C
  - flexible without fixing: -30°C to +105°C



#### Peak voltage:

300V



#### Test voltage:

2000V



#### Characteristic impedance:

70 - 140 Ω (@ 167 KHz)



#### Nominal capacitance:

24 pF/ft



#### Color code:

blue & brown



#### Approvals:

UL: AWM  
Canada: cRU AWM  
Additional: ASi  
CE & RoHS

Part number	Jacket construction		Conductor description	Approvals	Application	Copper weight lbs/mft	Approx. weight lbs/mft
	material	color					
2170357	PUR	yellow	2 x 16 AWG	UL/CSA AWM	data & power transmission	19	43
2170358	PUR	black	2 x 16 AWG	UL/CSA AWM	transmission of 30V DC auxiliary power	19	43
2170317	PUR	yellow	2 x 14 AWG	UL/CSA AWM	long distance data & power transmission	32	50
2170318	PUR	black	2 x 14 AWG	UL/CSA AWM	long distance transmission of 30V DC auxiliary power	32	50
2170830	TPE	yellow	2 x 16 AWG	UL/CSA AWM	data & power transmission	19	43
2170831	TPE	black	2 x 16 AWG	UL/CSA AWM	transmission of 30V DC auxiliary power	19	43