

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

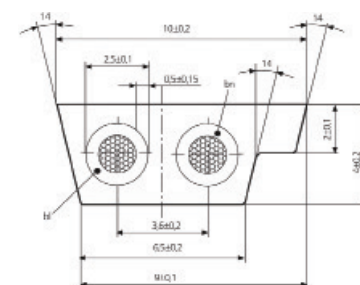
Continuous flex applications e.g. cable tracks and moving machine parts; data and power transmission between sensors, actuators, slaves, repeaters and master

Approvals



Cable attributes page 648
See attribute list by part number on page 166 *

Complete the installation
SKINTOP® strain relief page 492
SKINTOP® DIX-ASi page 547



Technical data

Minimum bend radius: - for stationary use: 12 mm - for continuous flexing: 24 mm	Test voltage: 2000V
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	Characteristic impedance: 70 - 140 Ω (@ 167 KHz)
Peak voltage: 300V	Nominal capacitance: 24 pF/ft
	Color code: blue & brown
	Approvals: UL: AWM Canada: cRU AWM Additional: ASi CE & RoHS
	*UL Verified ID A522492: Continuous Flex Test Method Verified

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

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.