S LAPP TANNEHILL

AS-Interface

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

Construction

<u>Conductors:</u> stranded tinned copper <u>Insulation:</u> polyurethane or TPE

Jacket: polyurethane or TPE

Application advantage

- Data and power transmission in one cable
- Ouick connections to ASi-module due to piercing technology
- PUR-jacketed version is halogen-free and highly oil-resistant
- UNITRONIC[®] BUS ASi FD LD (Long Distance) allows even longer cable runs between modules

Approvals					
	RoHS		7		
Cable attributes	page 648	Complete the installation	n		
See attribute list by pa number on page 166	art	SKINTOP® strain relief page 492	SKINTOP® DIX-ASi page 547	٥	54 3/502 6590/ 9601
Technical data					
Minimum bend radius:			7 Test voltage:		2000V
- for stationary use:	12 mm				
- for continuous flexing:	24 mm		\mathbf{z}_{∞} Characteristic imp	edance:	70 - 140 Ω (@ 167 KHz)
Temperature range: - PUR:			\pm Nominal capacitan	ce:	24 pF/ft
- fixed installation:	-40°C to +80°C		Color code:		blue & brown
- flexible without fixing:	-30°C to +70°C				
- TPE:			Approvals:	UL:	AWM
- fixed installation:	-40°C to +105°C			Canada:	cRU AWM
- flexible without fixing:	-30°C to +105°C			ditional:	ASi CE & RoHS
7 Peak voltage:	300V				

Part number	Jacket construction material color		Conductor description	Approvals	Application	Copper weight lbs/mft	Approx. weight lbs/mft
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



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Bus cable & connectors