

UNITRONIC® BUS LD/LD FD P

For RS485/RS422 bus systems; stationary & continuous flex applications; 100 - 120 Ω

LAPP KABEL STUTTGART UNITRONIC® BUS LD

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UNITRONIC® BUS Long Distance (LD) cables are built after the RS-422 and RS-485 standards and are robust solutions for transmitting data over long distances and noisy environments. Stranded copper conductors and high-performance insulation optimize flexing endurance. Tinned copper braid provides superior EMI protection.

Recommended applications

Bus systems such as Modbus, SUConet P, Modulink P, VariNet-P; dry or damp rooms; FD version suitable for continuous flex applications like cable tracks and moving machine parts

Approvals



2170204

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:

- stationary: 8 x cable diameter
- continuous flex:
 - for installation: 6 x cable diameter
 - for continuous flexing: 15 x cable diameter



Temperature range:

- stationary: -40°C to +80°C
- continuous flex:
 - for installation: -40°C to +80°C
 - for flexible use: -30°C to +70°C



Nominal voltage:

250V



Characteristic impedance:

100 - 120 Ω



Nominal capacitance:

18 pF/ft (800 Hz)



Color code:

- pair 1: white & brown
- pair 2: green & yellow
- pair 3: gray & pink



Approvals:

UL: CMX (see below)
Canada: CSA CMX (see below)

Continuous Flex Version (CF-01, CF-02, CF-03)

*UL Verified ID A522492: Continuous Flex Test Method Verified

Part number	Jacket material	Conductor description	Approvals	Nominal outer diameter		Copper weight	Approx. weight	SKINTOP® MS-SC
				in	mm	lbs/mft	lbs/mft	PG thread
Stationary								
2170203	PVC	24 AWG/1pr	—	0.225	5.7	12	25	53112210
2170803	PVC	24 AWG/1pr	UL/CSA CMX	0.225	5.7	12	26	53112210
2170204	PVC	24 AWG/2pr	—	0.280	7.1	19	30	53112210
2170205	PVC	24 AWG/3pr	—	0.284	7.2	25	48	53112210
Continuous flex*								
2170213	PUR	24 AWG/1pr	—	0.236	6.0	12	26	53112210
2170813	PUR	24 AWG/1pr	UL/CSA CMX	0.244	6.2	12	26	53112210
2170214	PUR	24 AWG/2pr	—	0.311	7.9	22	44	53112220
2170814	PUR	24 AWG/2pr	UL/CSA CMX	0.327	8.3	22	44	53112220
2170215	PUR	24 AWG/3pr	—	0.315	8.0	26	52	53112220
2170815	PUR	24 AWG/3pr	UL/CSA CMX	0.331	8.4	26	52	53112220

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.