

UNITRONIC® BUS INTERBUS FD

For INTERBUS bus systems (IBS); continuous flex applications; 100 Ω

LAPP KABEL STUÏGART UNITRONIC® BUS IBS FD P



LAPP KABEL STUÏGART UNITRONIC® BUS IBS FD P COMBI



UNITRONIC® BUS INTERBUS FD is designed for continuous flex applications in harsh industrial environments. The high-performance PUR jacket provides protection against tearing, abrasion, and mineral oils when used in cable tracks.

Recommended applications

Cable tracks, moving machinery, and linear tracks in dry and damp rooms; harsh industrial environments; RBC

Approvals



Construction

Conductors: stranded bare copper

Insulation: polyethylene

Shielding: copper braid

Jacket: polyurethane; violet

Application advantage

- High operation security for data transmission in chain
- Excellent abrasion and oil resistance
- Halogen-free
- Certified by INTERBUS Club
- Cable allows data transmission rate of 500 kbit/s at a max. length of 400 m; IRBC max. cable run is 50 m

Cable attributes page 648

See attribute list by part number on page 166

Complete the installation



SKINTOP® MS-SC
page 522



EPIC® connectors
page 284

ÖLFLEX® CONNECT solution



ÖLFLEX® CONNECT CABLES
page 605

Technical data

<p> Minimum bend radius: - for continuous flexing: 15 x cable diameter</p> <p> Temperature range: - for stationary use: -40°C to +80°C - for continuous flexing: -30°C to +70°C</p> <p> Nominal voltage: 250V</p> <p> Test voltage: 1500V</p> <p> Characteristic impedance: 100 Ω ± 15%</p> <p> Nominal capacitance: 18 pF/ft</p>	<p> Color code: - 2170216: DIN 47100: chart 8, page 682 - 2170218 & 2170818: white & brown, green & yellow, gray & pink - data pairs: - power conductors: red, blue, green/yellow</p> <p> Approvals: UL: CMX (2170818) Canada: c(UL) CMX (2170818) Additional: INTERBUS Phoenix Contact RoHS</p>
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Part number	Conductor description	Cable type	Approvals	Nominal outer diameter		Copper weight lbs/mft	Approx. weight lbs/mft	SKINTOP® MS-SC PG thread
				in	mm			
2170216	24 AWG/3pr	remote bus cable (RBC)	—	0.311	7.9	26	43	53112220
2170218	24 AWG/3pr + 18 AWG/3c	installation remote bus cable (INBC)	—	0.311	7.9	42	62	53112220
2170818	24 AWG/3pr + 18 AWG/3c	installation remote bus cable (INBC)	UL/CSA CMX	0.311	7.9	42	62	53112220