

# UNITRONIC® BUS INTERBUS

For INTERBUS bus systems (IBS); stationary applications; 100 Ω

LAPP KABEL STUTTGART UNITRONIC® BUS IBS



LAPP KABEL STUTTGART UNITRONIC® BUS IBS P COMBI



UNITRONIC® BUS INTERBUS guarantees high operation security during data transmission. This shielded and flexible cable is available with a PVC or PUR jacket (INBC).

## Construction

**Conductors:** stranded bare copper

**Insulation:** polyethylene

**Shielding:** copper braid

**Jacket:** PVC or halogen-free polyurethane; violet • reinforced jacket: PVC; black

## Recommended applications

Assembly, welding, and material handling machines; wiring of sensors, actuators, and other network devices

## Approvals



Cable attributes

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See attribute list by part number on page 166

## Application advantage

- High operation security during data transmission
- Oil-resistant jacket
- Halogen-free & flame retardant PUR jacket
- Certified by INTERBUS Club
- Cable allows data transmission rate of 500 kbit/s at a max. length of 400 m

Complete the installation



SKINTOP®  
MS-SC  
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EPIC®  
connectors  
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## Technical data

<b>Minimum bend radius:</b>	8 x cable diameter	<b>Nominal capacitance:</b>	18 pF/ft
<b>Temperature range:</b>	-30°C to +80°C	<b>Color code:</b>	DIN 47100: chart 8, page 682
	- reinforced jacket: -40°C to +70°C	- data conductors:	white/brown, green/yellow, gray/pink
<b>Nominal voltage:</b>	250V (not for power applications)	- power supply:	red, blue, green/yellow
<b>Test voltage:</b>	1500V	<b>Approvals:</b>	UL: CMX (2170209) Canada: c(UL) CMX (2170209) Additional: INTERBUS Phoenix Contact RoHS
<b>Characteristic impedance:</b>	100 Ω ± 15%		

Part number	Jacket material	Conductor description	Cable type	Approvals	Nominal outer diameter		Copper weight lbs/mft	Approx. weight lbs/mft	SKINTOP® MS-SC PG thread
					in	mm			
2170206	PVC	24 AWG/3pr	remote bus cable (RBC)	—	0.284	7.2	25	48	53112220
2170208	halogen-free PUR	24 AWG/3pr + 18 AWG/3c	installation remote bus cable (INBC)	—	0.311	7.9	40	57	53112220
2170209	PVC	24 AWG/3pr	remote bus cable (RBC)	UL/CSA CMX	0.284	7.2	25	48	53112220
<b>Reinforced black jacket</b>									
2170207	PVC	24 AWG/3pr	remote bus cable (RBC)	—	0.366	9.3	25	63	53112220
2170217	PVC	24 AWG/3pr + 18 AWG/3c	installation remote bus cable (INBC)	—	0.370	9.4	40	86	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.

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