

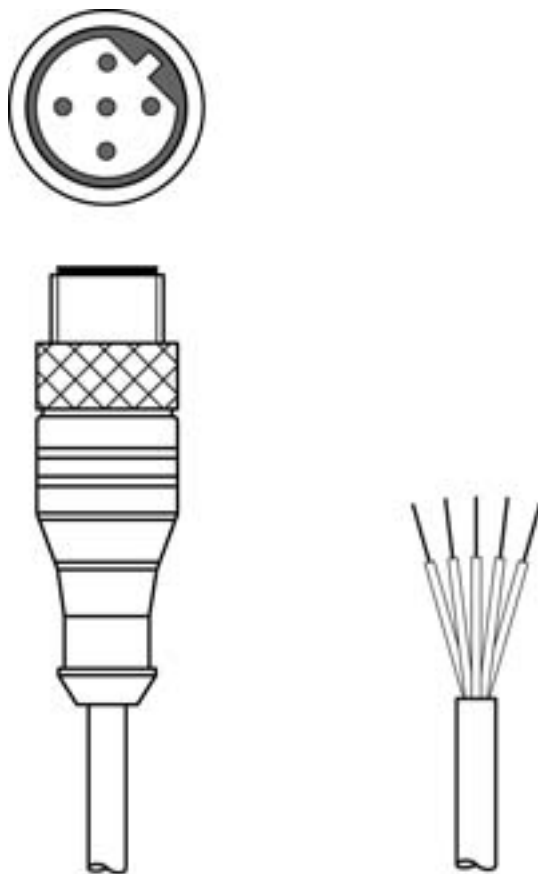
## Technical data sheet Interconnection cable

Part no.: 50108601

KB IBS-30000-SA

### Contents

- Technical data
- Electrical connection
- Circuit diagrams



For illustration purposes only



## Technical data

### Basic data

Application	Oil and lubricant resistant
Suitable for interface	Interbus-S

### Electrical data

#### Performance data

Operating voltage	Max. 30 V AC/DC
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### Connection

Number of connections	2 Piece(s)
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#### Connection 1

Type of connection	Connector
Thread size	M12
Type	Male
Handle body material	PUR
No. of pins	5 -pin
Encoding	B-coded
Version	Axial
Connector, LED	No
Lock	Screw fitting, nickel-plated diecast zinc, recommended torque 0.6 Nm, self-locking

#### Connection 2

Type of connection	Open end
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#### Cable properties

Number of conductors	5 Piece(s)
Wire cross section	0.25 mm <sup>2</sup>
AWG	24
Sheathing color	Violet
Shielded	Yes
Silicone-free	Yes
Cable design	Connection cable (open on one end)
Cable diameter (external)	7.5 mm
Cable length	30,000 mm
Sheathing material	PUR
Wire insulation	PP
Suitability for drag chains	Yes
Traverse rate	Max. 3.3 m/s with horiz. traverse path of 5m and max. acceleration of 5m/s <sup>2</sup>

Properties of the outer sheathing	Free of CFC, cadmium, silicone, halogen and lead, matt, low-adhesion, abrasion-resistant, easily machine-processable
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Resistance of the outer sheathing	Hydrolysis and microbe resistant, good oil, gasoline and chemical resistance and flame retardant in accordance with DIN EN 60332-1 / VDE 0482-332-1-2 / CSA FT-1
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### Mechanical data

Width across flats	13 mm
Net weight	1,612 g
Bending cycles	1,000,000 Piece(s)
Bending radius, flexible laying, min.	Min. 10 x cable diameter
Bending radius, stationary laying, min.	Min. 5 x cable diameter

### Operation and display

### Environmental data

Ambient temperature, operation, flexible use	-25 ... 80 °C
Ambient temperature, operation, stationary use	-50 ... 80 °C

### Certifications

Degree of protection	IP 65
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### Classification

Customs tariff number	85444290
ECLASS 5.1.4	27279201
ECLASS 8.0	27279218
ECLASS 9.0	27060311
ECLASS 10.0	27060311
ECLASS 11.0	27060311
ECLASS 12.0	27060311
ECLASS 13.0	27060311
ECLASS 14.0	27060311
ECLASS 15.0	27060311
ECLASS 16.0	27060311
ETIM 5.0	EC001855
ETIM 6.0	EC001855
ETIM 7.0	EC001855
ETIM 8.0	EC001855
ETIM 9.0	EC001855
ETIM 10.0	EC001855
UNSPSC 26.08	26121604

## Electrical connection

### Connection 1

Type of connection	Connector
Thread size	M12
Type	Male
Material	PUR
Handle body material	PUR

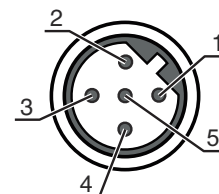
# Electrical connection

## Connection 1

No. of pins	5 -pin
Encoding	B-coded
Version	Axial
Connector, LED	No
Lock	Screw fitting, nickel-plated diecast zinc, recommended torque 0.6 Nm, self-locking

Pin	Pin assignment
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1	DATA+
2	DATA-
3	CLK-
4	CLK+
5	GND



## Connection 2

Type of connection	Open end
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# Circuit diagrams

## Wiring schematic

