

Technical data sheet Interconnection cable

Part no.: 50108596

KB IBS-5000-SA

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- Electrical connection

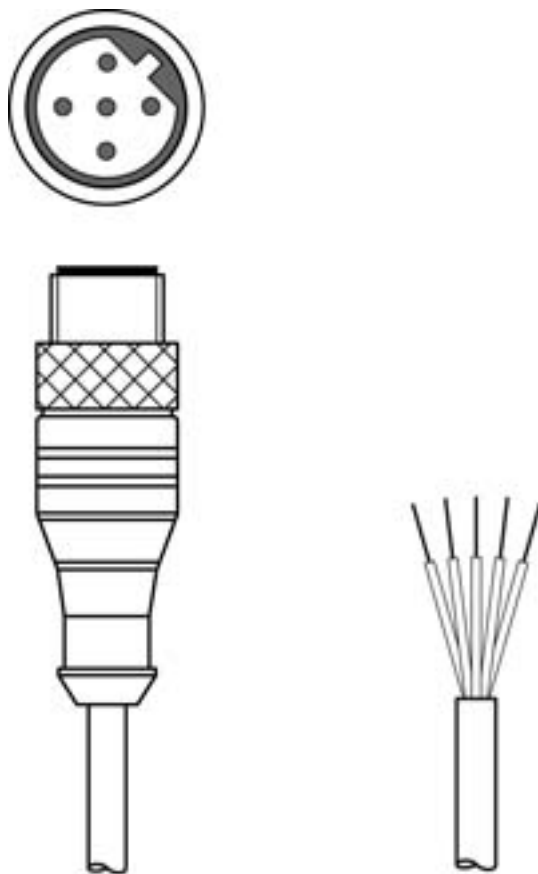


Figure can vary



Technical data

Basic data

Suitable for interface	Interbus-S
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Electrical data

Performance data

Operating voltage	Max. 30 V AC/DC
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Connection

Connection 1

Type of connection	Connector
Thread size	M12
Type	Male
Handle body material	PUR
No. of pins	5 -pin
Encoding	B-coded
Design	Axial
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 ²
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	5,000 mm
Sheathing material	PUR
Wire insulation	PP
Suitability for drag chains	Yes
Traversal rate	Max. 3.3 m/s with horiz. traversal path of 5m and max. acceleration of 5m/s ²

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
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

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
eCl@ss 8.0	27279218
eCl@ss 9.0	27060311
ETIM 5.0	EC001855
ETIM 6.0	EC001855

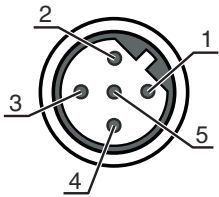
Electrical connection

Connection 1

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Electrical connection

Pin	Pin assignment	Conductor color
1	DATA+	Yellow
2	DATA-	Green
3	CLK+	Gray
4	CLK-	Pink
5	GND	Brown



Connection 2

Type of connection	Open end
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