

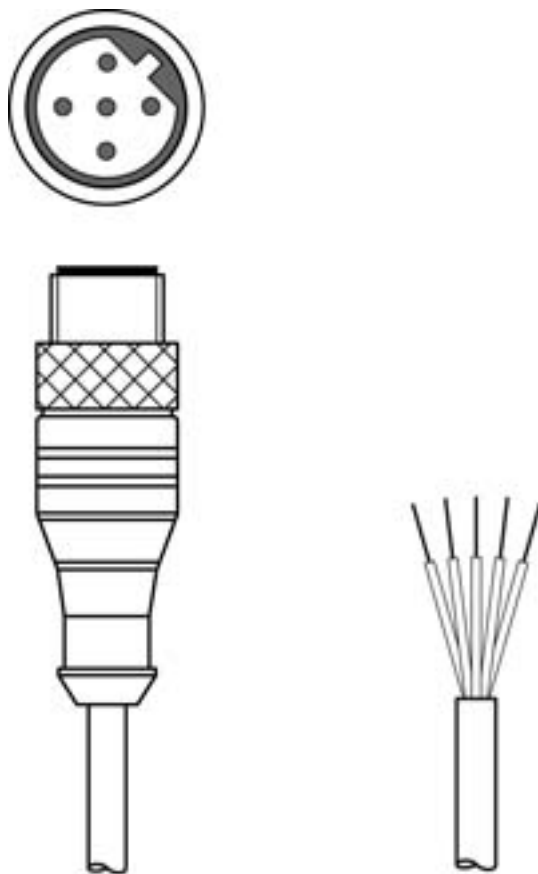
Technical data sheet Interconnection cable

Part no.: 50108595

KB IBS-2000-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

Connection

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
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	2,000 mm
Sheathing material	PUR
Wire insulation	PP
Suitability for drag chains	Yes
Traversal rate	Max. 3.3 m/s with horiz. traverse 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
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

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

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
ETIM 5.0	EC001855
ETIM 6.0	EC001855
ETIM 7.0	EC001855
ETIM 8.0	EC001855
ETIM 9.0	EC001855
ETIM 10.0	EC001855

Electrical connection

Connection 1

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

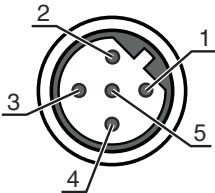
Electrical connection

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

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

