

Technical data sheet

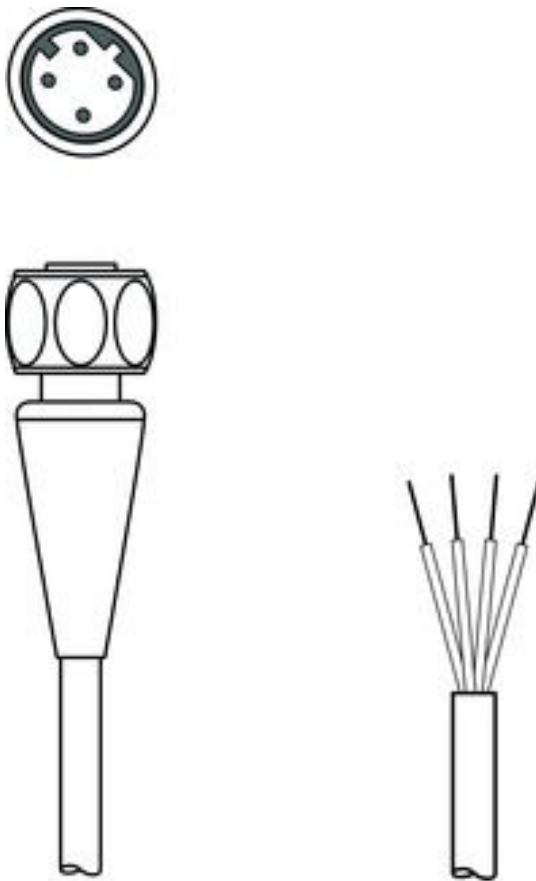
Connection cable

Part no.: 50147678

KS ET-M12-4A-T9-150-F+B

Contents

- Technical data
- Electrical connection
- Circuit diagrams
- Accessories



For illustration purposes only



Technical data

Basic data

Application	Hygienic and wet areas
	Oil and lubricant resistant
Suitable for interface	Ethernet

Electrical data

Performance data	
Operating voltage	60 V DC

Connection

Connection 1	
Type of connection	Connector
Thread size	M12
Type	Male
Handle body material	PUR
No. of pins	4 -pin
Encoding	D-coded
Version	Axial
Connector, LED	No
Lock	Screw fitting, stainless steel V4A, recommended torque 0.6 Nm, self-locking
Connection 2	
Type of connection	Open end
Cable properties	
Number of conductors	4 Piece(s)
Wire cross section	0.34 mm ²
AWG	22
Sheathing color	Blue
Shielded	Yes
Silicone-free	Yes
Cable design	Connection cable (open on one end)
Cable diameter (external)	6.7 mm
Cable length	15,000 mm
Sheathing material	TPE
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 2m/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 in accordance with VDE 0472 part 803 test B, flame retardant in accordance with UL 1581 VW1 / CSA FT1 / IEC 60332-1, IEC 60332-2-2

Mechanical data

Width across flats	14 mm
Bending cycles	2,000,000 Piece(s)
Bending radius, flexible laying, min.	Min. 15 x cable diameter
Bending radius, stationary laying, min.	One-time min. 5 x cable diameter

Operation and display

Environmental data

Ambient temperature, operation, flexible use	-20 ... 80 °C
Ambient temperature, operation, stationary use	-20 ... 80 °C

Certifications

Degree of protection	IP 65
	IP 68
	IP 69K

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

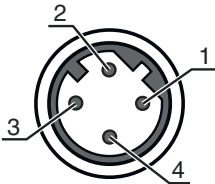
Type of connection	Connector
Thread size	M12
Type	Male
Handle body material	PUR

Electrical connection

Connection 1

No. of pins	4 -pin
Encoding	D-coded
Version	Axial
Connector, LED	No
Lock	Screw fitting, stainless steel V4A, recommended torque 0.6 Nm, self-locking

Pin	Conductor color
1	Yellow
2	White
3	Orange
4	Blue

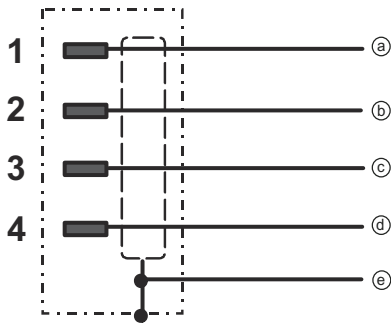


Connection 2

Type of connection	Open end
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Circuit diagrams

Wiring schematic



- a Yellow wire
- b White wire
- c Orange wire
- d Blue wire
- e Shield

Accessories

General

	Part no.	Designation	Article	Description
	50148408	TT SW 14	Tool	Type: Hexagon head for torque key Width across flats: 14 mm Material: Stainless steel, Plastic Ambient temperature: -40 ... 120 °C

Note



A list with all available accessories can be found on the Leuze website in the Download tab of the article detailed page.