

## Technical data sheet

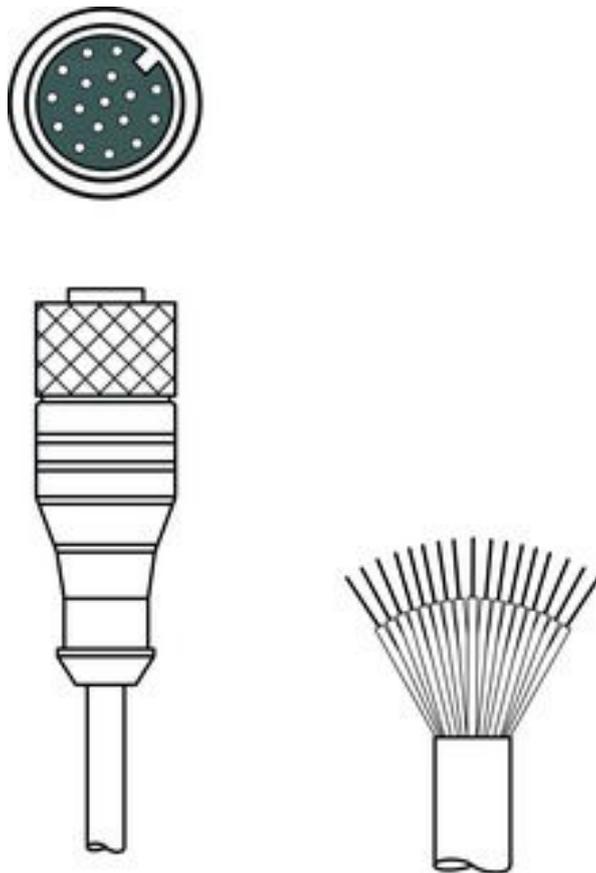
### Connection cable

Part no.: 50146481

KD U-M12-HA-P1-030

#### Contents

- Technical data
- Electrical connection



For illustration purposes only



## Technical data

### Basic data

Application	Oil and lubricant resistant
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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	Female
Handle body material	TPU
No. of pins	17 -pin
Encoding	A-coded
Connector, LED	No
Lock	Screw fitting, nickel-plated diecast zinc, recommended torque 0.4 Nm, self-locking

#### Connection 2

Type of connection	Open end
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#### Cable properties

Number of conductors	17 Piece(s)
Wire cross section	0.14 mm <sup>2</sup>
AWG	26
Sheathing color	Black
Shielded	No
Silicone-free	Yes
Cable design	Connection cable (open on one end)
Cable diameter (external)	8 mm
Cable length	3,000 mm
Sheathing material	PUR
Wire insulation	PP
Traverse rate	Max. 3m/s with horiz. traverse path of 5m and max. acceleration of 10m/s <sup>2</sup>

Suitability for drag chains	Yes
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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 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
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### Mechanical data

Net weight	197 g
Bending cycles	400,000 Piece(s)
Bending radius, flexible laying, min.	Min. 7.5 x cable diameter
Bending radius, stationary laying, min.	Min. 7.5 x cable diameter

### Operation and display

### Environmental data

Ambient temperature, operation, flexible use	-5 ... 80 °C
Ambient temperature, operation, stationary use	-40 ... 80 °C

### Certifications

Degree of protection	IP 67
	IP 68

### 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

## Electrical connection

### Connection 1

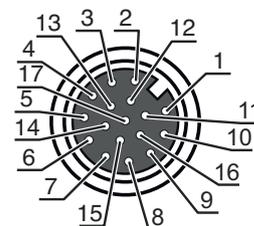
Type of connection	Connector
Thread size	M12
Type	Female
Material	Metal

# Electrical connection

## Connection 1

Handle body material	TPU
No. of pins	17 -pin
Encoding	A-coded
Connector, LED	No
Lock	Screw fitting, nickel-plated diecast zinc, recommended torque 0.4 Nm, self-locking

Pin	Conductor color
1	Brown
2	Blue
3	White
4	Green
5	Pink
6	Yellow
7	Black
8	Gray
9	Red
10	Violet
11	gray / pink
12	red / blue
13	white / green
14	brown / green
15	white / yellow
16	yellow / brown
17	white / gray



## Connection 2

Type of connection	Open end
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