

## Technical data sheet

### Connection cable

Part no.: 50149848

KD U-M8-3A-T0-100 F+B

#### Contents

- Technical data
- Electrical connection
- Circuit diagrams



For illustration purposes only



## Technical data

### Basic data

Application	Chemical resistant Hygienic and wet areas
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### Electrical data

#### Performance data

Operating voltage	Max. 60 V AC/DC
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### Connection

#### Connection 1

Type of connection	Connector
Thread size	M8
Type	Female
Handle body material	PP
Seal material	EPDM
No. of pins	3 -pin
Encoding	A-coded
Version	Axial
Connector, LED	No
Lock	Screw fitting, stainless steel V4A, recommended torque 0.4 Nm, self-locking

#### Connection 2

Type of connection	Open end
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#### Cable properties

Number of conductors	3 Piece(s)
Wire cross section	0.34 mm <sup>2</sup>
AWG	22
Sheathing color	Gray
Shielded	No
Silicone-free	Yes
Cable design	Connection cable (open on one end)
Cable diameter (external)	4.6 mm
Cable length	10,000 mm
Sheathing material	TPE
Wire insulation	TPE
Suitability for drag chains	Yes
Properties of the outer sheathing	Halogen-free, free from substances interfering with wetting agents, recyclable, increased thermal capacity

Resistance of the outer sheathing	Resistant to acid, alkali, ozone and seawater, hydrolysis-resistant, verified resistance to P3-topactive
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### Mechanical data

Width across flats	9 mm
Net weight	70 g
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, additional note	Drag chain: -25 °C ... +60 °C
Ambient temperature, operation, flexible use	-40 ... 105 °C
Ambient temperature, operation, stationary use	-40 ... 105 °C

### Certifications

Degree of protection	IP 65 IP 67 IP 68 IP 69
Certifications	ECOLAB

### 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
ETIM 5.0	EC001855
ETIM 6.0	EC001855
ETIM 7.0	EC001855
ETIM 8.0	EC001855
ETIM 9.0	EC001855

## Electrical connection

### Connection 1

Type of connection	Connector
Thread size	M8
Type	Female
Handle body material	PP
Seal material	EPDM
No. of pins	3 -pin
Encoding	A-coded
Version	Axial
Connector, LED	No
Lock	Screw fitting, stainless steel V4A, recommended torque 0.4 Nm, self-locking

## Electrical connection

Pin	Conductor color
1	Brown
3	Blue
4	Black



### Connection 2

Type of connection	Open end
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## Circuit diagrams

### Wiring schematic

