



**Part no.: 50134972**  
**KD U-M23-JA-P1-100**  
**Connection cable**

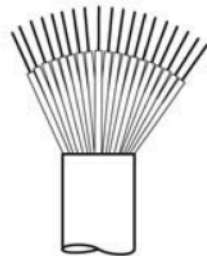


Figure can vary



## Contents

- Technical data
- Electrical connection

Part no.: 50134972 – KD U-M23-JA-P1-100 – Connection cable

## Technical data

### Electrical data

#### Performance data

Operating voltage	Max. 120 V AC/DC
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### Connection

#### Connection 1

Type of connection	Connector
Thread size	M23
Type	Female
Handle body material	TPU
No. of pins	19 -pin
Encoding	A-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	19 Piece(s)
Wire cross section	0.5 mm <sup>2</sup>
Wire cross section	16 x 0.5 mm <sup>2</sup> 3 x 1 mm <sup>2</sup>
AWG	21
Sheathing color	Black
Shielded	No
Silicone-free	Yes
Cable design	Connection cable (open on one end)
Cable diameter (external)	11.6 mm
Cable length	10,000 mm
Sheathing material	PUR
Wire insulation	PP
Suitability for drag chains	Yes
Traverse rate	Max. 3.3 m/s with horiz. traverse path of 5m and and max. acceleration of 5m/s <sup>2</sup>
Properties of the outer sheathing	Free of silicone and halogen, matt, low-adhesion, abrasion-resistant, easily machine-processable
Resistance of the outer sheathing	Hydrolysis and microbe resistant, good oil and chemical resistance, flame retardant in accordance with IEC 60332-2, VDE 0482-265-2-2, EN 50265-2-2, FT2

### Mechanical data

Bending cycles	2,000,000 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  
IP 67

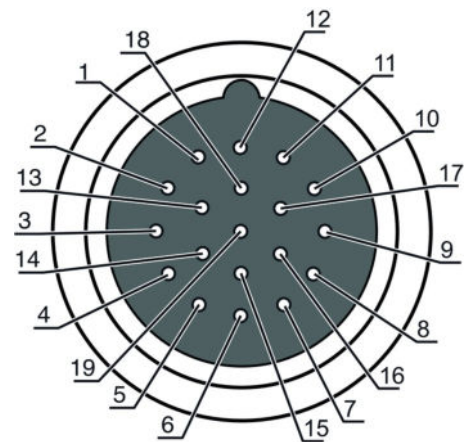
### Classification

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	
Type of connection	Connector
Thread size	M23
Type	Female
Handle body material	TPU
No. of pins	19 -pin
Encoding	A-coded
Design	Axial
Lock	Screw fitting, nickel-plated diecast zinc, recommended torque 0.6 Nm, self-locking

Pin	Conductor color
1	Violet
2	Red
3	Gray
4	Blue Red
5	Green
6	Blue
7	Gray Pink
8	Green White
9	White Yellow
10	Gray White
11	Black
12	Green Yellow
13	Brown Yellow
14	Brown Green
15	White
16	Yellow
17	Pink
18	Brown Gray
19	Brown



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<b>Connection 2</b>	
Type of connection	Open end