

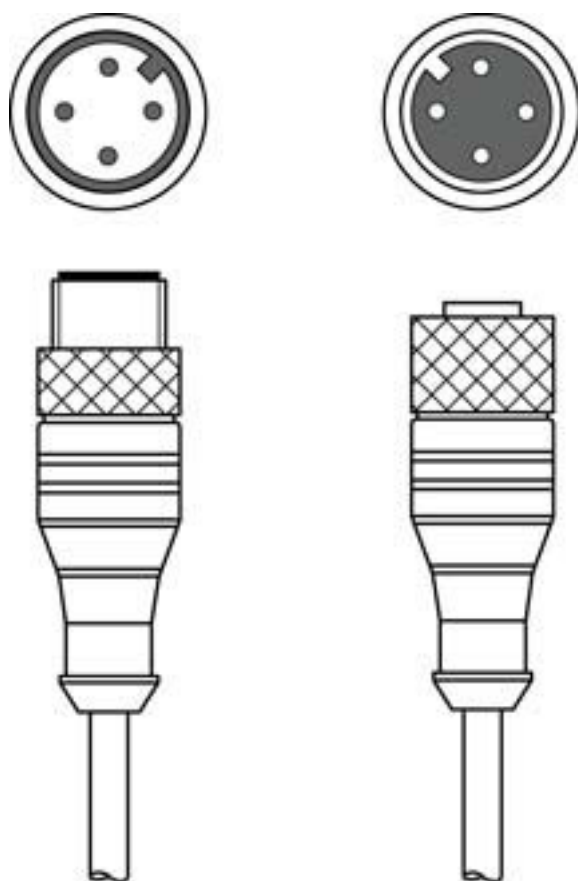
## Technical data sheet Interconnection cable

Part no.: 50135917

KDS U-M12-4A-M12-4A-P1-020-24X

### Contents

- Technical data
- Electrical connection
- Circuit diagrams



For illustration purposes only



## Technical data

### Basic data

Application	Oil and lubricant resistant
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### Electrical data

#### Performance data

Operating voltage	Max. 250 V AC/DC
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### Connection

#### Connection 1

Type of connection	Connector
Thread size	M12
Type	Female
Handle body material	PUR
Handle body color	Black
No. of pins	4 -pin
Encoding	A-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	Connector
Thread size	M12
Type	Male
Handle body material	PUR
Handle body color	Black
No. of pins	4 -pin
Encoding	A-coded
Version	Axial
Lock	Screw fitting, nickel-plated diecast zinc, recommended torque 0.6 Nm, self-locking

#### Cable properties

Number of conductors	4 Piece(s)
Wire cross section	0.34 mm <sup>2</sup>
Sheathing color	Yellow
Shielded	No
Cable, crossed	Connection 1, pin 2 <-> connection 2, pin 4
Silicone-free	Yes
Cable design	Interconnection cable
Cable diameter (external)	6 mm
Cable length	2,000 mm
Sheathing material	PUR
Suitability for drag chains	No

### Mechanical data

Width across flats	13 mm
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	-40 ... 80 °C

#### Certifications

Degree of protection	IP 65
	IP 67
Certifications	c UL
	UL

#### 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	M12
Type	Female
Handle body material	PUR
Handle body color	Black

# Electrical connection

## Connection 1

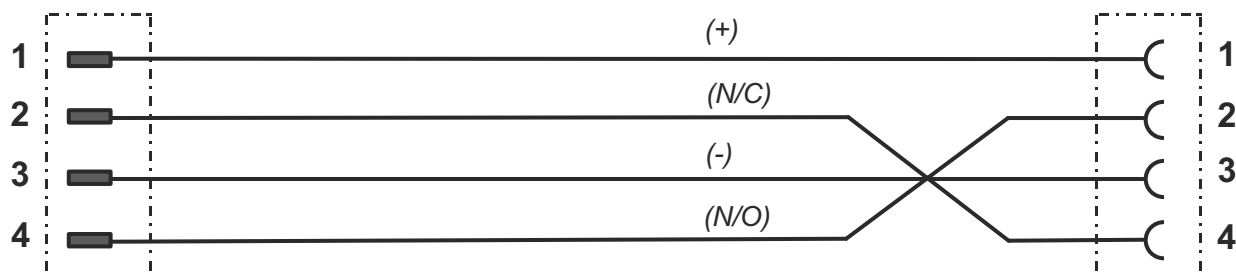
No. of pins	4 -pin
Encoding	A-coded
Version	Axial
Connector, LED	No
Lock	Screw fitting, nickel-plated diecast zinc, recommended torque 0.6 Nm, self-locking

## Connection 2

Type of connection	Connector
Thread size	M12
Type	Male
Handle body material	PUR
Handle body color	Black
No. of pins	4 -pin
Encoding	A-coded
Version	Axial
Lock	Screw fitting, nickel-plated diecast zinc, recommended torque 0.6 Nm, self-locking

# Circuit diagrams

## Wiring schematic



- a Brown wire
- b White wire
- c Black wire
- d Blue wire