

## Technical data sheet Interconnection cable

Part no.: 50136187

KSS GB-M12-8W-RJ45-A-P7-020

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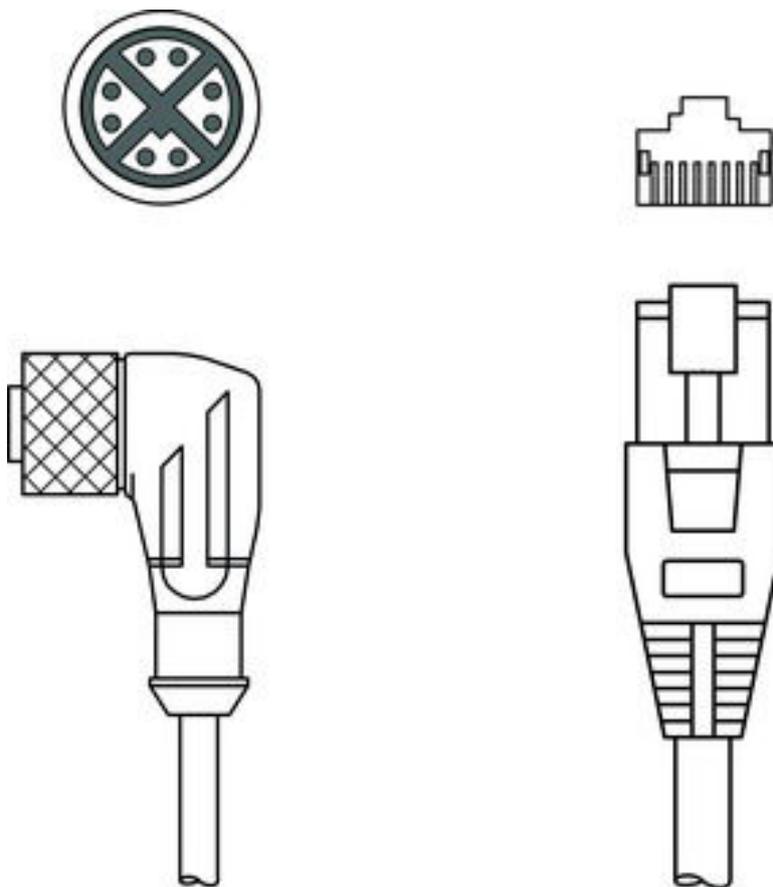


Figure can vary



## Technical data

### Basic data

Suitable for interface	Ethernet
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### Electrical data

#### Performance data

Operating voltage	Max. 125 V AC/DC
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### Connection

Number of connections	2 Piece(s)
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#### Connection 1

Type of connection	Connector
Thread size	M12
Type	Male
No. of pins	8 -pin
Encoding	X-coded
Design	Angled

#### Connection 2

Type of connection	RJ45
Type	Male
No. of pins	8 -pin
Design	Axial

#### Cable properties

Number of conductors	8 Piece(s)
Wire cross section	0.14 mm <sup>2</sup>
AWG	26
Sheathing color	Green
Shielded	Yes
Silicone-free	Yes
Cable design	Interconnection cable
Cable diameter (external)	6.4 mm
Cable length	2,000 mm
Sheathing material	PUR
Wire insulation	PE
Suitability for drag chains	No
Properties of the outer sheathing	Free of CFC, cadmium, silicone and lead, easily machine-processable
Resistance of the outer sheathing	Good oil, gasoline and chemical resistance in accordance with VDE 072, flame retardant in accordance with IEC 60332 / VDE 0472

### 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

### Environmental data

Ambient temperature, operation, flexible use	-5 ... 70 °C
Ambient temperature, operation, stationary use	-40 ... 80 °C

### Certifications

Degree of protection	IP 20 (RJ 45) IP 67 (M12)
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### 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	M12
Type	Male
No. of pins	8 -pin
Encoding	X-coded
Design	Angled

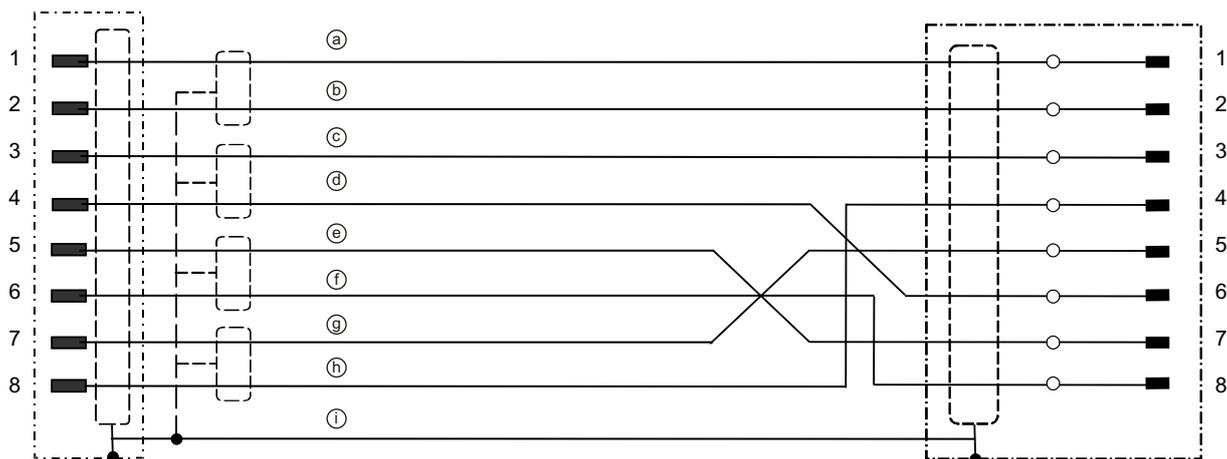
# Electrical connection

## Connection 2

Type of connection	RJ45
Type	Male
No. of pins	8 -pin
Design	Axial

## Circuit diagrams

### Wiring schematic



- |   |                   |   |                  |   |                 |
|---|-------------------|---|------------------|---|-----------------|
| a | White/orange wire | d | Green wire       | g | White/blue wire |
| b | Orange wire       | e | White/brown wire | h | Blue wire       |
| c | White/green wire  | f | Brown wire       | i | Shield          |