

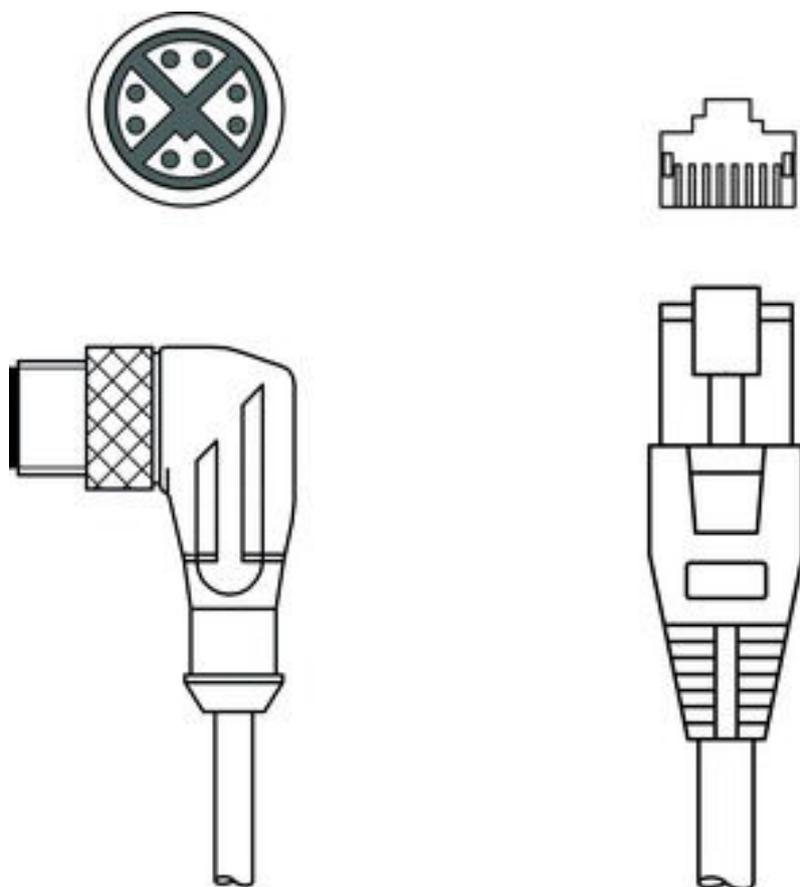
## Technical data sheet Interconnection cable

Part no.: 50136189

KSS GB-M12-8W-RJ45-A-P7-100

### Contents

- Technical data
- Electrical connection
- Circuit diagrams



For illustration purposes only



## Technical data

### Basic data

Application	Oil and lubricant resistant
Suitable for interface	Ethernet

### 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
Version	Angled
Connector, LED	No

#### Connection 2

Type of connection	RJ45
Type	Male
No. of pins	8 -pin
Version	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	10,000 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
Net weight	105 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, flexible use	-5 ... 70 °C
Ambient temperature, operation, stationary use	-40 ... 80 °C

### Certifications

Degree of protection	IP 67, IP 20 for RJ45
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### 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	Male
No. of pins	8 -pin
Encoding	X-coded
Version	Angled
Connector, LED	No

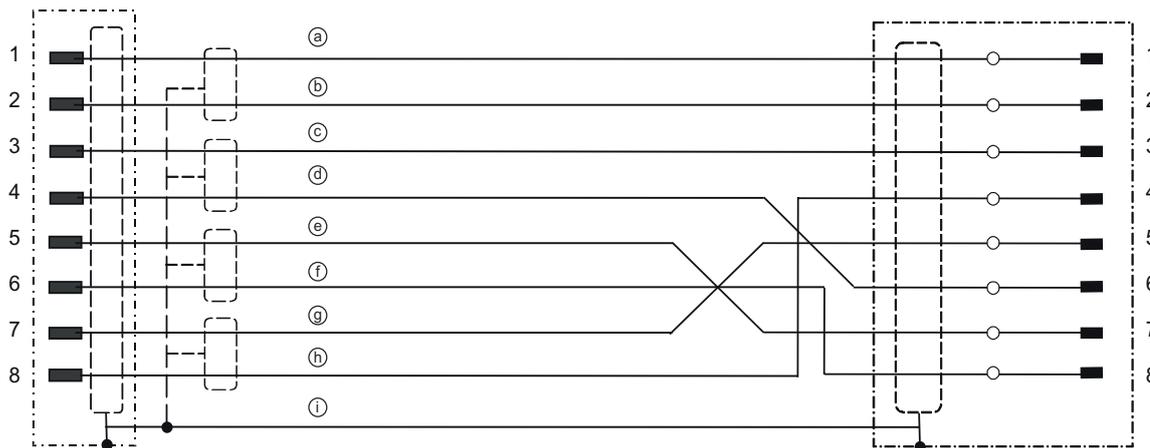
# Electrical connection

## Connection 2

Type of connection	RJ45
Type	Male
No. of pins	8 -pin
Version	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          |