

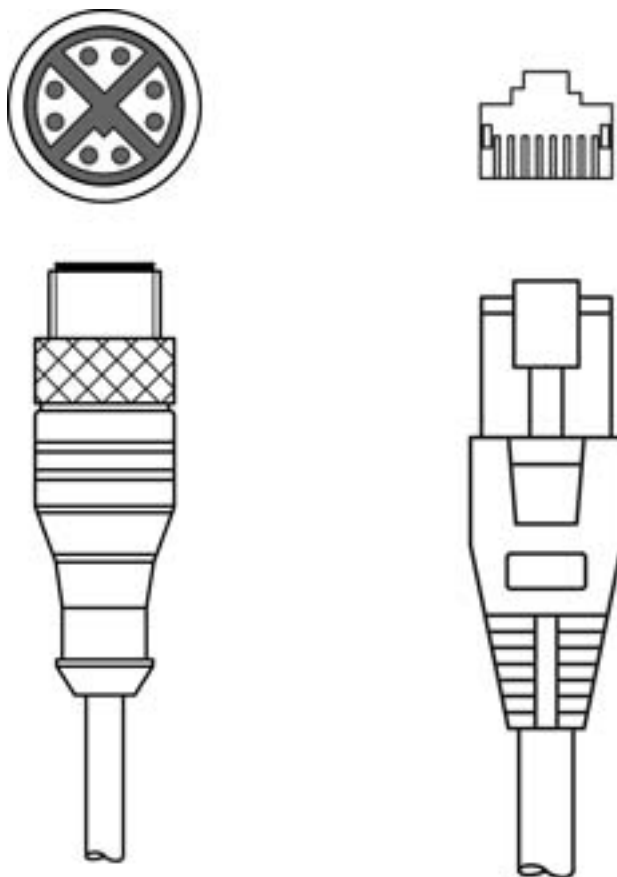
## Technical data sheet Interconnection cable

Part no.: 50133388

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

### Contents

- Technical data
- Electrical connection
- Circuit diagrams



For illustration purposes only



Technical data

Basic data

|                        |          |
|------------------------|----------|
| Suitable for interface | Ethernet |
|------------------------|----------|

Electrical data

|                   |                  |
|-------------------|------------------|
| Performance data  |                  |
| Operating voltage | Max. 125 V AC/DC |

Connection

|                                   |                                                                                                                                |
|-----------------------------------|--------------------------------------------------------------------------------------------------------------------------------|
| Connection 1                      |                                                                                                                                |
| Type of connection                | Connector                                                                                                                      |
| Thread size                       | M12                                                                                                                            |
| Type                              | Male                                                                                                                           |
| No. of pins                       | 8 -pin                                                                                                                         |
| Encoding                          | X-coded                                                                                                                        |
| Version                           | Axial                                                                                                                          |
| 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 mm²                                                                                                                       |
| 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                    |
| 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 ... 70 °C |
| Ambient temperature, operation, stationary use | -25 ... 80 °C |

Certifications

|                      |                       |
|----------------------|-----------------------|
| Degree of protection | IP 67, IP 20 for RJ45 |
|----------------------|-----------------------|

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

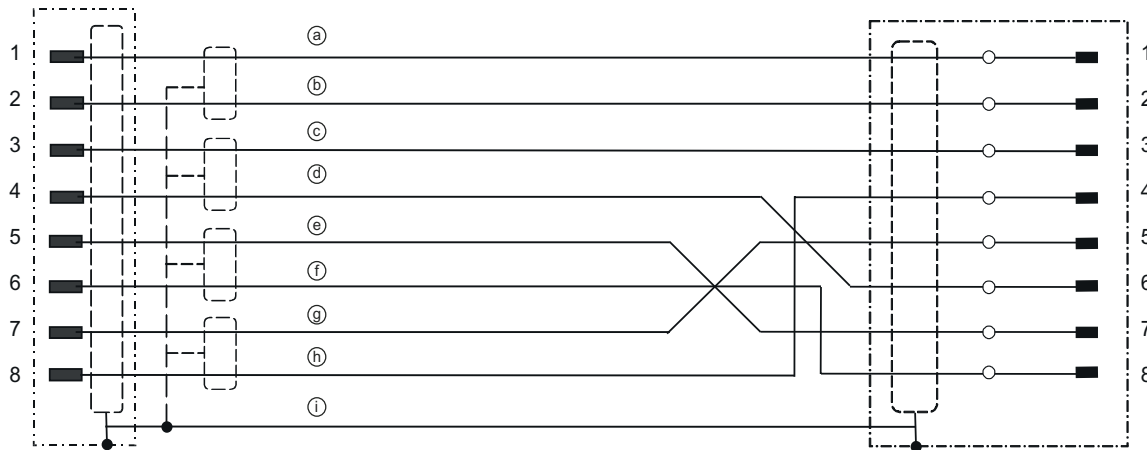
Connection 1

|                    |           |
|--------------------|-----------|
| Type of connection | Connector |
| Thread size        | M12       |
| Type               | Male      |
| No. of pins        | 8 -pin    |
| Encoding           | X-coded   |
| Version            | Axial     |
| Connector, LED     | No        |

Connection 2

|                    |      |
|--------------------|------|
| Type of connection | RJ45 |
|--------------------|------|

## Circuit diagrams



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