

## Technical data sheet

### Connection cable

Part no.: 50135073

KS ET-M12-4A-P7-020

#### Contents

- Technical data
- Electrical connection

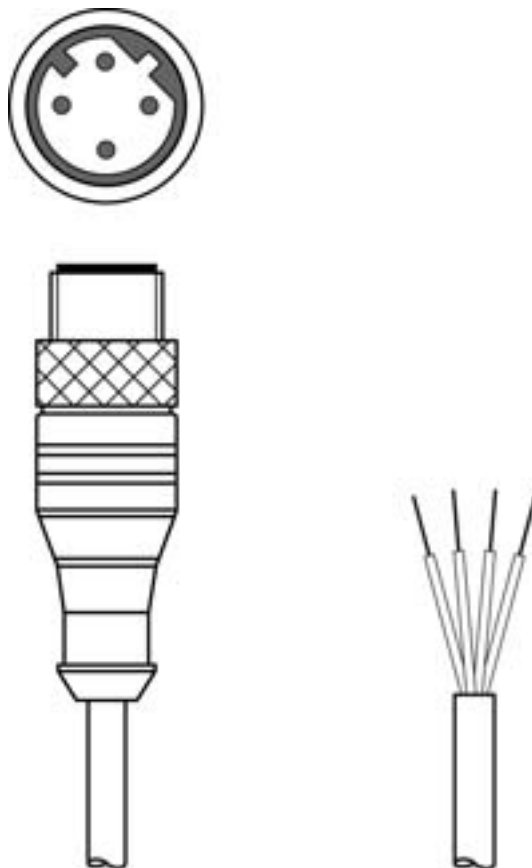


Figure can vary



## Technical data

### Basic data

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

### Electrical data

#### Performance data

|                   |         |
|-------------------|---------|
| Operating voltage | 60 V DC |
|-------------------|---------|

### Connection

#### Connection 1

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

#### Connection 2

|                    |          |
|--------------------|----------|
| Type of connection | Open end |
|--------------------|----------|

#### Cable properties

|                             |                                                                                         |
|-----------------------------|-----------------------------------------------------------------------------------------|
| Number of conductors        | 4 Piece(s)                                                                              |
| Wire cross section          | 0.34 mm <sup>2</sup>                                                                    |
| AWG                         | 22                                                                                      |
| Sheathing color             | Green                                                                                   |
| Shielded                    | Yes                                                                                     |
| Silicone-free               | Yes                                                                                     |
| Cable design                | Connection cable (open on one end)                                                      |
| Cable diameter (external)   | 6.7 mm                                                                                  |
| Cable length                | 2,000 mm                                                                                |
| Sheathing material          | PUR                                                                                     |
| Wire insulation             | PP                                                                                      |
| Traverse rate               | Max. 3.3 m/s with horiz. traverse path of 5m and max. acceleration of 2m/s <sup>2</sup> |
| Suitability for drag chains | Yes                                                                                     |

|                                   |                                                                                                                      |
|-----------------------------------|----------------------------------------------------------------------------------------------------------------------|
| Properties of the outer sheathing | Free of CFC, cadmium, silicone, halogen and lead, matt, low-adhesion, abrasion-resistant, easily machine-processable |
|-----------------------------------|----------------------------------------------------------------------------------------------------------------------|

|                                   |                                                                                                                                                                                                                 |
|-----------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Resistance of the outer sheathing | Hydrolysis and microbe resistant, good oil, gasoline and chemical resistance in accordance with VDE 0472 part 803 test B, flame retardant in accordance with UL 1581 VW1 / CSA FT1 / IEC 60332-1, IEC 60332-2-2 |
|-----------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|

### Mechanical data

|                                         |                                  |
|-----------------------------------------|----------------------------------|
| Width across flats                      | 13 mm                            |
| Bending cycles                          | 2,000,000 Piece(s)               |
| Bending radius, flexible laying, min.   | Min. 15 x cable diameter         |
| Bending radius, stationary laying, min. | One-time min. 5 x cable diameter |

### Environmental data

|                                                |               |
|------------------------------------------------|---------------|
| Ambient temperature, operation, flexible use   | -20 ... 60 °C |
| Ambient temperature, operation, stationary use | -20 ... 60 °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 |

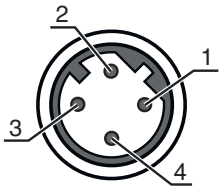
## Electrical connection

### Connection 1

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

Electrical connection

| Pin | Conductor color |
|-----|-----------------|
| 1   | Yellow          |
| 2   | White           |
| 3   | Orange          |
| 4   | Blue            |



| Connection 2       |          |
|--------------------|----------|
| Type of connection | Open end |