

## Technical data sheet Interconnection cable

Part no.: 50141462

KDS PL-M12-5A-M12-5A-P0-020

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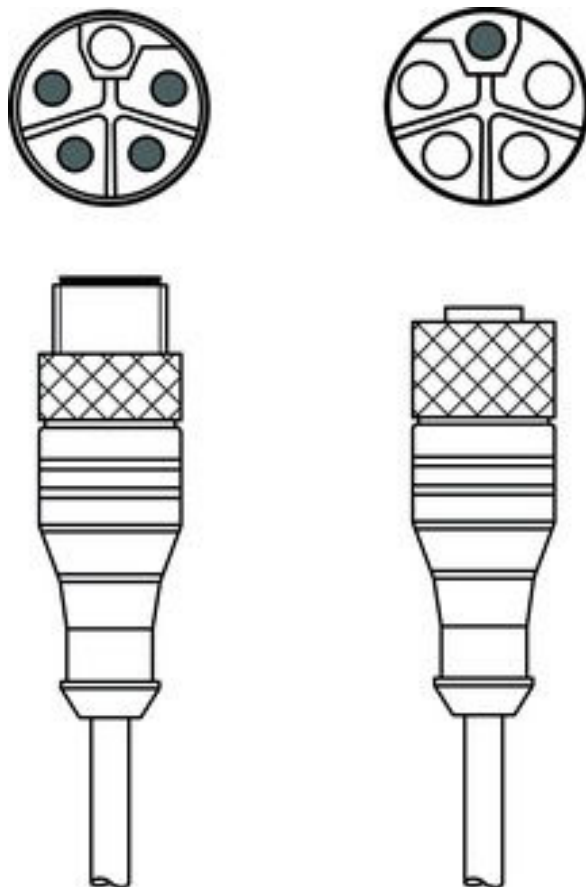


Figure can vary



## Technical data

### Basic data

|              |         |
|--------------|---------|
| Suitable for | MD 748i |
|--------------|---------|

### Electrical data

#### Performance data

|                         |                   |
|-------------------------|-------------------|
| Operating voltage       | 50 V AC / 60 V DC |
| Rated operating current | 1,600 mA          |

### Connection

#### Connection 1

|                    |           |
|--------------------|-----------|
| Type of connection | Connector |
| Thread size        | M12       |
| Type               | Male      |
| No. of pins        | 5 -pin    |
| Encoding           | L-coded   |
| Design             | Axial     |

#### Connection 2

|                    |           |
|--------------------|-----------|
| Type of connection | Connector |
| Thread size        | M12       |
| Type               | Female    |
| No. of pins        | 5 -pin    |
| Encoding           | L-coded   |
| Design             | Axial     |

#### Cable properties

|                             |                                                                                         |
|-----------------------------|-----------------------------------------------------------------------------------------|
| Number of conductors        | 5 Piece(s)                                                                              |
| Wire cross section          | 1.5 mm <sup>2</sup>                                                                     |
| Sheathing color             | Gray                                                                                    |
| Shielded                    | No                                                                                      |
| Silicone-free               | Yes                                                                                     |
| Cable diameter (external)   | 2.35 mm                                                                                 |
| Cable length                | 2,000 mm                                                                                |
| Sheathing material          | PUR                                                                                     |
| Suitability for drag chains | Yes                                                                                     |
| Traverse rate               | Max. 3.3 m/s with horiz. traverse path of 5m and max. acceleration of 5m/s <sup>2</sup> |

### Environmental data

|                                              |               |
|----------------------------------------------|---------------|
| Ambient temperature, operation, flexible use | -30 ... 90 °C |
|----------------------------------------------|---------------|

|                                                |               |
|------------------------------------------------|---------------|
| Ambient temperature, operation, stationary use | -40 ... 90 °C |
|------------------------------------------------|---------------|

### Certifications

|                      |         |
|----------------------|---------|
| Degree of protection | IP 65   |
|                      | IP 67   |
|                      | IP 69K  |
| Certifications       | c UL US |

### 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        | 5 -pin    |
| Encoding           | L-coded   |
| Design             | Axial     |

### Pin

|   |       |
|---|-------|
| 1 | Brown |
| 2 | White |
| 3 | Blue  |
| 4 | Black |
| 5 | Gray  |

### Conductor color

Electrical connection

Connection 2

|                    |           |
|--------------------|-----------|
| Type of connection | Connector |
| Thread size        | M12       |
| Type               | Female    |
| No. of pins        | 5 -pin    |
| Encoding           | L-coded   |
| Design             | Axial     |