

Technical data sheet

Connection cable

Part no.: 678055

CB-M12-5000E-5GF

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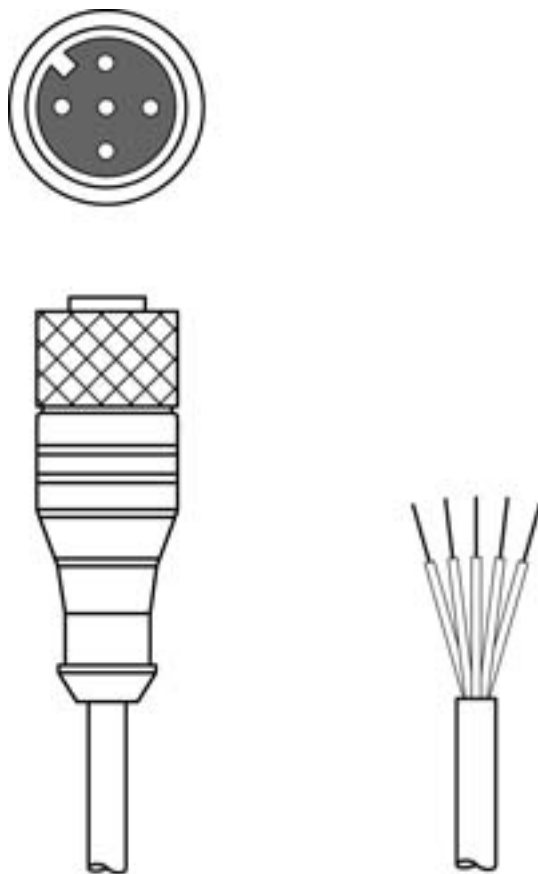


Figure can vary



Technical data

Electrical data

| | |
|------------------|-------------|
| Insulation grade | Category 2 |
| Insulation grade | IEC 60644-1 |

Performance data

| | |
|-------------------|-----------------|
| Operating voltage | Max. 60 V AC/DC |
|-------------------|-----------------|

Connection

Connection 1

| | |
|-------------------------------|--|
| Type of connection | Connector |
| Thread size | M12 |
| Type | Female |
| Handle body material | PUR |
| No. of pins | 5 -pin |
| Encoding | A-coded |
| Design | Axial |
| Operating current per contact | 4 A |
| 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 | 5 Piece(s) |
| Wire cross section | 0.34 mm ² |
| AWG | 22 |
| Sheathing color | Black |
| Shielded | Yes |
| Silicone-free | Yes |
| Cable design | Connection cable (open on one end) |
| Cable diameter (external) | 6.3 mm |
| Cable length | 5,000 mm |
| Sheathing material | PUR |
| Wire insulation | PP |
| 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 radius, flexible laying, min. | Min. 15 x cable diameter |
| Bending radius, stationary laying, min. | Min. 10 x cable diameter |

Environmental data

| | |
|--|---------------|
| Ambient temperature, operation, flexible use | -25 ... 80 °C |
| Ambient temperature, operation, stationary use | -50 ... 80 °C |

Certifications

| | |
|----------------|---------------|
| Certifications | c UL US UL |
|----------------|---------------|

Classification

| | |
|-----------------------|----------|
| Customs tariff number | 85444290 |
| eCl@ss 8.0 | 27279218 |
| eCl@ss 9.0 | 27060311 |
| ETIM 5.0 | EC001855 |
| ETIM 6.0 | EC001855 |

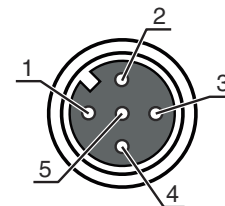
Electrical connection

Connection 1

| | |
|-------------------------------|--|
| Type of connection | Connector |
| Thread size | M12 |
| Type | Female |
| Handle body material | PUR |
| No. of pins | 5 -pin |
| Encoding | A-coded |
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| Operating current per contact | 4 A |
| Lock | Screw fitting, nickel-plated diecast zinc, recommended torque 0.6 Nm, self-locking |

Electrical connection

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




Connection 2

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

Accessories

General

| | Part no. | Designation | Article | Description |
|--|----------|---------------|---------|---|
|  | 50132266 | TT-Set 0,6-13 | Tool | Type: Torque key Width across flats: 13 mm Torque: 0.6 N·m Material: Plastic, Stainless steel Ambient temperature: -40 ... 120 °C |

Note



A list with all available accessories can be found on the Leuze website in the Download tab of the article detailed page.