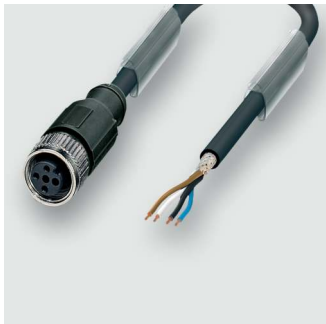


## Technical data sheet

### Actuator sensor interface · M12 - cables

**Female M12 straight with PUR cable, shielded 360°, open end**  
**Self-locking screw connection**  
**C-track compatible, halogen free**



#### Identification

Type KUG4-M12(C) 5m PUR  
Part No. [456405](#)

#### Product version

Datasheet version 00

#### Use/Application/Properties

Properties

- Silicone free
- Free from paint wetting disruptive substances (LABS-free)
- Hydrolysis-resistant, microbe-resistant, and rot-resistant
- Resistance to acids, alkalines and watery solutions

#### General

|                                |                      |
|--------------------------------|----------------------|
| Design                         | M 12×1               |
| Form male 1                    | M 12 female straight |
| Form male 2                    | line end open        |
| Rated insulation voltage       | 250 V                |
| Test voltage                   | 2500 V               |
| Degree of pollution            | 3                    |
| Contact resistance             | <5 mΩ                |
| Flamability according to UL 94 | HB                   |
| Degree of protection           | IP65/67              |
| Housing material               | TPU                  |
| Color of the housing           | black                |
| Contact material               | CuSn, gold-plated    |

#### United Kingdom: LÜTZE Ltd.

Unit 3, Sandy Hill Park  
Sandy Way, Amington · GB-Tamworth, Staffs B77 4DU  
Tel. +44 (0)1827 31333-0 • Fax +44 (0)1827 31333-2  
[www.lutze.com](http://www.lutze.com) • [sales.gb@lutze.co.uk](mailto:sales.gb@lutze.co.uk)

#### Germany: Friedrich Lütze GmbH

Postfach 12 24 (PLZ 71366) · Bruckwiesenstraße 17-19 · D-71384 Weinstadt  
Tel. +49 (0)7151 6053-0 • Fax +49 (0)7151 6053-277(-288)  
[www.luetze.de](http://www.luetze.de) • [info@luetze.de](mailto:info@luetze.de)

## Technical data sheet

### Actuator sensor interface · M12 - cables

---

|                                    |                                                                                                                                                                                                                                                                                           |
|------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Thread material                    | Zinc die-casting, nickel-plated                                                                                                                                                                                                                                                           |
| Mounting                           | Breakaway torque 0.4 Nm                                                                                                                                                                                                                                                                   |
| Number of conductors/cross-section | 4 × 0.34 mm <sup>2</sup> (42 × 0.1)                                                                                                                                                                                                                                                       |
| Number of conductors               | 4                                                                                                                                                                                                                                                                                         |
| Conductor color                    | black, blue, brown                                                                                                                                                                                                                                                                        |
| Jacket material                    | PUR                                                                                                                                                                                                                                                                                       |
| Jacket color                       | black                                                                                                                                                                                                                                                                                     |
| Conductor insulation               | PP                                                                                                                                                                                                                                                                                        |
| Cable diameter                     | 4.9 mm                                                                                                                                                                                                                                                                                    |
| Minimum bending radius moving      | 10×D                                                                                                                                                                                                                                                                                      |
| Storage temperature range          | -30 °C ... +90 °C                                                                                                                                                                                                                                                                         |
| Temperature range connector        | -25 °C ... +90 °C                                                                                                                                                                                                                                                                         |
| Temperature range fixed            | -40 °C ... +80 °C                                                                                                                                                                                                                                                                         |
| Temperature range moving           | -25 °C ... +80 °C                                                                                                                                                                                                                                                                         |
| C-track chain properties           | Type B                                                                                                                                                                                                                                                                                    |
| Conduction properties (TYPE A+B+C) | PUR halogen free for extreme demands<br>Very good chemical stability<br>Very resistant to oils and lubricants<br>Very high abrasion resistance<br>Halogen free<br>Silicone free, free of paint wetting impairment substances<br>Resistant to microbes and hydrolysis<br>Good UV stability |
| Weight/unit                        | 0.275 kg                                                                                                                                                                                                                                                                                  |
| PU (units)                         | 1                                                                                                                                                                                                                                                                                         |

---

#### Technical data

---

|                              |            |
|------------------------------|------------|
| Rated voltage U <sub>N</sub> | AC/DC 24 V |
| Operating voltage max.       | 250 V      |
| Rated current                | 4 A        |
| Pole number                  | 4          |
| Cable length                 | 5 m        |
| Coding                       | A          |
| Shielding                    | 360°       |

---

#### Certifications/Standards

---

|                           |                        |
|---------------------------|------------------------|
| UV-resistant according to | DIN EN ISO 4892-2-A    |
| Certifications            | cULus Listed (E224249) |

---

#### Equipment/Spare parts

---

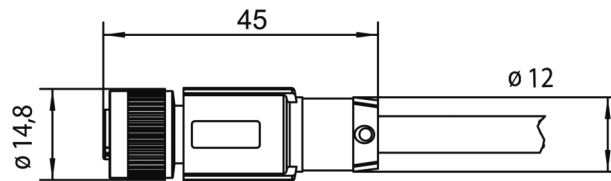
##### Accessories

**Torque setting tool M 12:** Part-No. 490091 | DM-SET M12 | PU: 1 unit

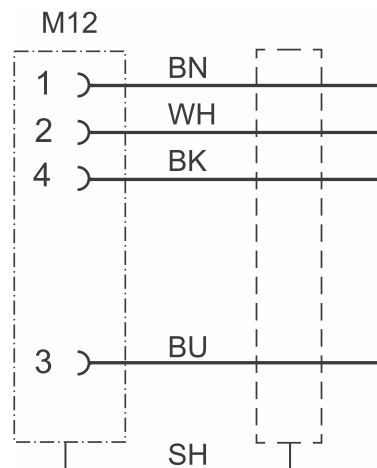
## Technical data sheet

### Actuator sensor interface · M12 - cables

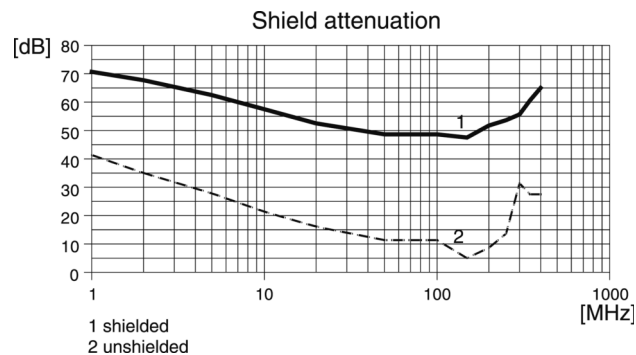
#### Dimensions



#### PIN assignment



#### Action chart



#### Pin layout

