

## VK03E210

### Connection technology • Cable sockets / connectors pre-assembled on two sides

Connection cable, 0.3m, M12 socket 4-pin straight, M12 connector 12-pin straight, 4-core, PUR (polyurethane) black, 30V, -30-90°C, IP67, suitable for trailing chain and torsion resistant, oils and cooling lubricants, welding area, silicone-free



This connection cable has pre-wired connections on both sides. It can be used to cost-effectively integrate end devices with a plug connection via a distribution terminal or a logic module.

One side of the VK03E210 is equipped with a straight 4-pin M12 cable socket and the other with a straight 12-pin M12 cable connector. The cores of the line with a plastic sheath (PUR) can each be loaded with 1.5A.

#### Electrical features

|                                       |                  |
|---------------------------------------|------------------|
| Type of plug-in contact, A connection | Female (socket)  |
| Type of plug-in contact, B connection | Male (connector) |
| Type of A electrical connection       | M12              |
| Type of B electrical connection       | M12              |
| Number of pins of A connection        | 4                |
| Number of pins of B connection        | 12               |
| Ampacity                              | 1.5 A            |
| Operating voltage (AC 50Hz)           | 30 V             |
| Operating voltage (DC)                | 30 V             |

#### Mechanical features

|   |                               |
|---|-------------------------------|
| Number of cores                           | 4                             |
| Cable sheath color                        | black                         |
| Cable length                              | 0.3 m                         |
| Cable infeed of A connection              | straight                      |
| Cable infeed of B connection              | straight                      |
| Maximum tightening torque of connection A | 1 Nm                          |
| Maximum tightening torque of connection B | 1 Nm                          |
| bending cycles                            | 5 million cycles              |
| Degree of protection (IP)                 | IP67                          |
| Torsion cycles                            | +/-360°/m, ≥ 2 million cycles |
| Contact coating material                  | Gold                          |
| Material of cable sheath                  | Plastic (PUR)                 |
| Contact body material                     | Brass                         |
| Suitable for trailing chain               | Yes                           |
| Material of the screw fitting             | Brass                         |
| Ambient temperature                       | -30 - 90 °C                   |

**Optical features**

|                   |   |
|-------------------|---|
| Degree of soiling | 3 |
|-------------------|---|

**Other features**

|   |                                 |
|---|---------------------------------|
| Flame retardant                                   | in accordance with EN 60332-2-2 |
| Halogen-free                                      | Yes                             |
| Hydrolysis-proof                                  | Yes                             |
| Free of LABS                                      | Yes                             |
| Ozone and UV-resistant                            | Yes                             |
| Suitable for trailing chain and torsion resistant | Yes                             |
| Welding area                                      | Yes                             |
| Silicone-free                                     | Yes                             |
| Oil and cooling lubricants                        | Yes                             |

**Classification**

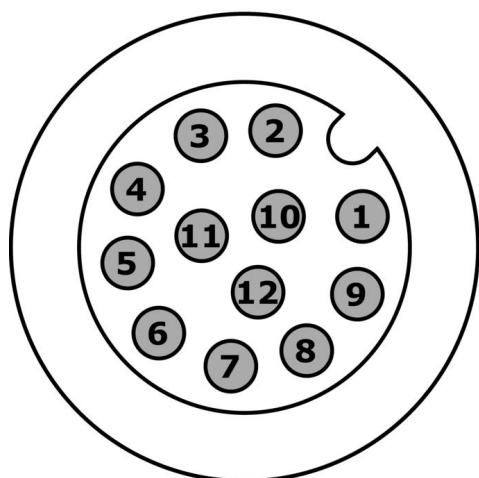
|        |  |
|--------|--|
| ETIM 8 | EC001855 Assembled sensor-actuator cable |
|--------|--|

**More**

|                       |   |
|-----------------------|---|
| IPF Product Group     | 851 cable sockets / connectors (both side ready made) |
| packaging dimensions  | 200 x 150 x 20 mm                                     |
| gross weight          | 36 g  |
| Customs tariff number | 85444290  |
| WEEE number           | 40951076  |
| OzDS-compliant        | Yes   |
| POP-compliant         | Yes   |
| Reach-compliant       | Yes   |
| RoHS-compliant        | Yes   |

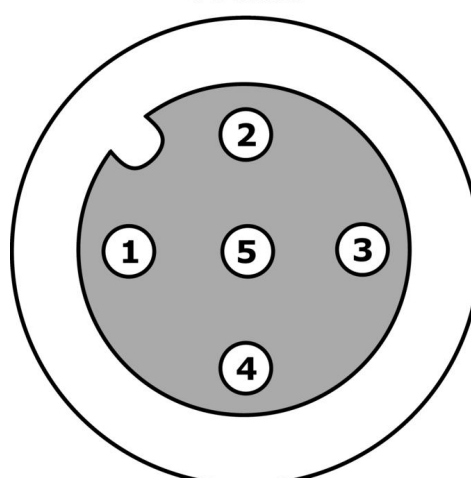
**Connection**

**connector**



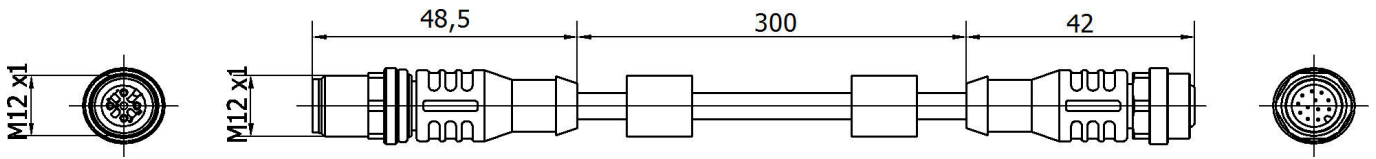
- 1** brown
- 2** blue
- 3** n.c.
- 4** n.c.
- 5** n.c.
- 6** n.c.
- 7** black
- 8** gray
- 9** n.c.
- 10** n.c.
- 11** n.c.
- 12** n.c.

**socket**



- 1** brown
- 2** gray
- 3** blue
- 4** black
- 5** n.c.

**Dimensional drawing**



**Extract accessories program**

**AV000117**



Labeling material, Label, 2, 1x30x4mm, Plastic PC, 34 identification labels

**AV98F001**



**AV98F002**



Tool, wrench insert for torque wrench, SW13

**AV000141**



accessories cable socket, Mounting clip, 13.5mm, PPO, Packaging unit 5, Accessories for Cable socket/connector M12

**AV000140**



You can find further accessories on our homepage



**Installation**

Mounting / installation may only be carried out by a qualified electrician!



**Disposal**

WEEE number according to § 6 para. 3 ElektroG: 40951076

**Safety warnings**

/ Before initial operation, please make sure to follow all safety instructions that may be provided in the product information.

/ Never use these devices in applications where the safety of a person depends on their functionality.