

## VKA0L075

### Connection technology • Cable sockets / connectors pre-assembled on one side

Connection cable, 10m, M8 Female (socket) 3pin Straight, Free conductor end, 3x0.34mm<sup>2</sup>, TPE Gray, Ø4.6mm, 60V, -40-105°C, IP67, PP, 4A, Suitable for trailing chain and torsion resistant



ipf cable sockets are used primarily for establishing the electrical connection of sensors. Their features are characterized by rugged design, the highest protection classes (IP67 | IP68 | IP69K) and, if desired, with 360° shielding. With the features: bus-ready, suitable for use with drag chains and robots, resistance to oil and chemicals, resistance to welding sparks, their resistance to cleaning agents or high-pressure and steam-jet cleaning, the expanded temperature range of up to +230°C, the rapid interconnection technology and special data transmission properties, the cable sockets meet all requirements in automation technology.

#### Electrical features

|                                       |                    |
|---------------------------------------|--------------------|
| Type of plug-in contact, A connection | Female (socket)    |
| Type of cable                         | Multi-core         |
| Type of A electrical connection       | M8                 |
| Type of B electrical connection       | Free conductor end |
| Flow resistance                       | 5mOhm              |
| Line diameter                         | 4.6mm              |
| Number of pins of A connection        | 3                  |
| Ampacity                              | 4A                 |
| Operating voltage (AC 50Hz)           | 60V                |
| Operating voltage (DC)                | 60V                |

**Mechanical features**

|  |                       |
|--|-----------------------|
| Number of cores                                    | 3                     |
| Wire assembly                                      | 42 x 0.1mm            |
| Conductor cross-section                            | 0.34mm <sup>2</sup>   |
| Cable sheath color                                 | Gray                  |
| Cable length                                       | 10m                   |
| Cable infeed of A connection                       | straight              |
| Maximum tightening torque of connection A          | 0.6Nm                 |
| Degree of protection (IP)                          | IP67                  |
| Contact coating material                           | Gold                  |
| Housing material                                   | PP                    |
| Material of cable sheath                           | Plastic (TPE)         |
| Contact body material                              | Brass                 |
| Perm. ambient temperature of cable, fixed cable    | -40 - 105°C           |
| Perm. ambient temperature of cable, flexible cable | -25 - 105°C           |
| Suitable for trailing chain                        | Yes                   |
| Seawater-resistant                                 | Yes                   |
| Material of the screw fitting                      | Stainless steel (V4A) |
| Ambient temperature                                | -40 - 105°C           |

**Optical features**

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

**Other features**

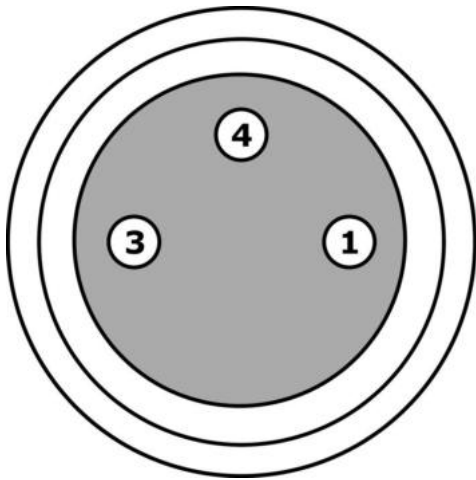
|   |                  |
|---|------------------|
| Flame retardant                                   | No               |
| Halogen-free                                      | Yes              |
| Hydrolysis-proof                                  | Yes              |
| Free of LABS                                      | Yes              |
| Ozone and UV-resistant                            | Yes              |
| Suitable for trailing chain and torsion resistant | Yes              |
| Acid and alkali-resistant                         | Yes              |
| Ambient temperature                               | -40 - 105°C      |
| Version   | Connection cable |

**Classification**

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

**More**

|                       |  |
|-----------------------|--|
| IPF Product Group     | 856 cable socket / cable connector (diverse) |
| packaging dimensions  | 180 x 165 x 28 mm                            |
| gross weight          | 320 g  |
| Customs tariff number | 85444290                                     |
| WEEE number           | 40951076                                     |
| OzDS-compliant        | Yes  |
| POP-compliant         | Yes  |
| Reach-compliant       | Yes  |
| RoHS-compliant        | Yes  |

**Connection****1** brown**3** blue**4** black**Installation**

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

**Disposal****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.

For suitable connection and mounting accessories, please refer to our website [www.ipf-electronic.com](http://www.ipf-electronic.com).