

## VKA05A25

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

Connection cable, 10m, M12 socket 8-pin straight, free cable end, 8x0.25mm<sup>2</sup>, PUR (polyurethane), Ø6.6mm, 30V, -25-90°C, IP67, shielded, suitable for trailing chain and torsion resistant, oils and cooling lubricants, welding area, silicone-free



ipf cable sockets are mainly used for the electrical connection of sensors. Their properties are characterized by the robust version, in the highest degrees of protection (IP67 | IP68 | IP69K) and with 360° shielding on request. With the features: bus-compatible, drag chain and robot-compatible, oil and chemical-resistant, welding spark-resistant, cleaning agent-resistant or resistant to high-pressure and steam jet cleaning, the enlarged temperature range up to +230°C, rapid interconnection (technology) or special data transmission properties, the cable sockets meet all the requirements of automation technology.

#### Electrical features

|                                       |                    |
|---------------------------------------|--------------------|
| Type of plug-in contact, A connection | Female (socket)    |
| Type of A electrical connection       | M12                |
| Type of B electrical connection       | Free conductor end |
| Number of pins of A connection        | 8                  |
| Ampacity                              | 2 A                |
| Operating voltage (AC 50Hz)           | 30 V               |
| Operating voltage (DC)                | 30 V               |
| Shielded                              | Yes                |
| Coding of connection A                | A                  |

**Mechanical features**

|   |  |
|---|--|
| Number of cores                                 | 8  |
| Wire assembly                                   | 32 x 0.1mm   |
| Conductor cross-section                         | 0.25 mm <sup>2</sup>   |
| Cable length                                    | 10 m   |
| Cable infeed of A connection                    | straight   |
| Maximum tightening torque of connection A       | 1 Nm   |
| bending cycles                                  | ≥ 2 million cycles   |
| Degree of protection (IP)                       | IP67   |
| Torsion cycles                                  | +/-180°/m, ≥ 0.5 million cycles  |
| Contact coating material                        | Gold   |
| Material of cable sheath                        | Kunststoff (PUR)   |
| Contact body material                           | Plastic (TPU)  |
| Perm. ambient temperature of cable, fixed cable | -25 - 90 °C  |
| Material of the screw fitting                   | Nickel-plated (n-pltd) brass   |
| Line diameter                                   | 6.3 mm   |
| ardTEME_Werkstoffeigenschaften                  | Halogenfrei   Hydrolysefest   LABS-frei   Ozonbeständig   Silikonfrei   UV-Beständig |
| ardTEME_Umgebungsbestaendigkeiten               | Öle   Kühlschmiermittel  |

**Other features**

|                     |  |
|---------------------|--|
| Flame retardant     | in accordance with EN 60332-2-2        |
| ardTE00_Anwendungen | Schleppkettentauglich   Schweißbereich |

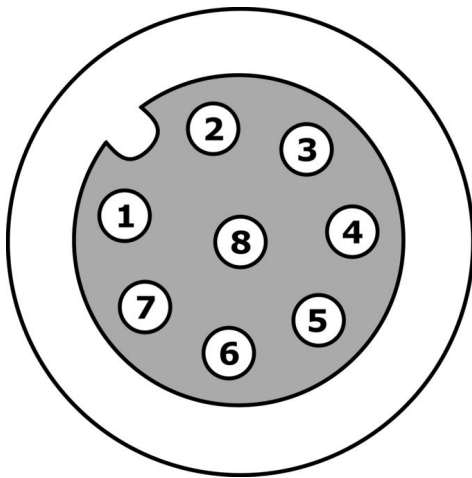
**Classification**

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

**More**

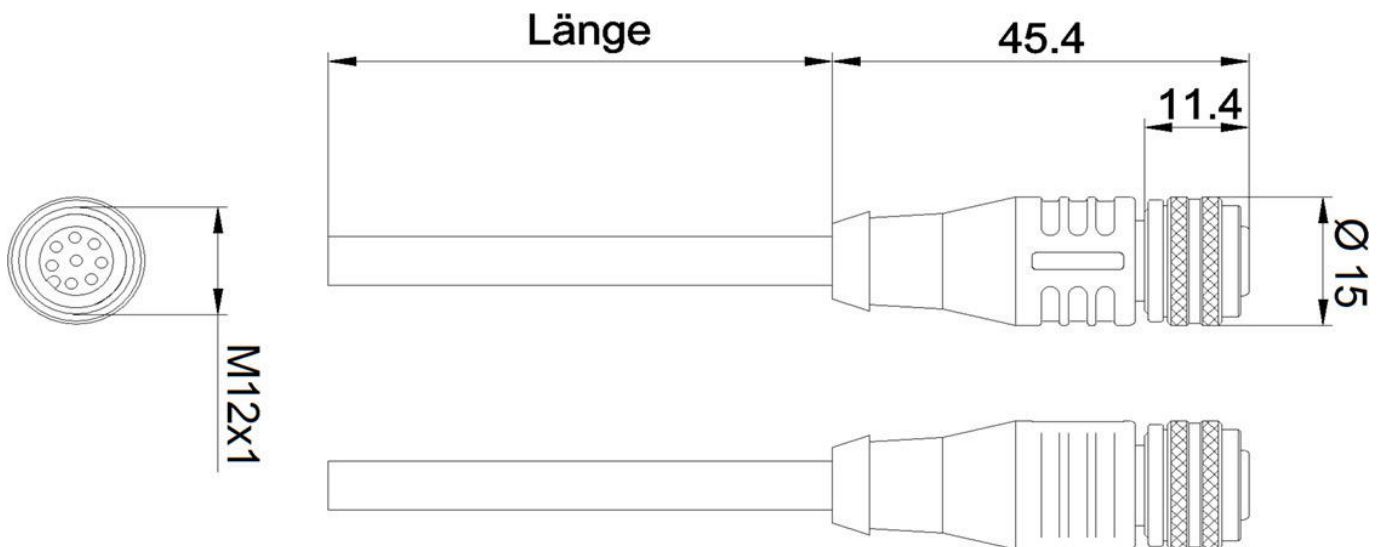
|                       |  |
|-----------------------|--|
| IPF Product Group     | 850 cable sockets / connectors (one side ready made) |
| packaging dimensions  | 200 x 200 x 35 mm                                    |
| gross weight          | 640 g  |
| Customs tariff number | 85444290   |
| WEEE number           | 40951076   |
| OzDS-compliant        | Yes  |
| POP-compliant         | Yes  |
| Reach-compliant       | Yes  |
| RoHS-compliant        | Yes  |

**Connection**



- 1** white
- 2** brown
- 3** green
- 4** yellow
- 5** gray
- 6** pink
- 7** blue
- 8** red

**Dimensional drawing**



**Extract accessories program**

**AV000130**



Tool, Wire stripper,  
28x166x102mm, Skinning range  
diameter 4.4-7mm, Plastic

**AV000132**



Tool, Wire stripper,  
28x166x102mm, Skinning range  
diameter 3.2-4.4mm, Plastic

**AY000141**



Plastic sheath, Ø17mm, Inner  
diameter 10mm, -40-250°C, Glass  
fiber with silicone rubber, Short-  
term resistance to weld spatter  
1200°C, Tensile strength 400N,  
Flexible, Flame retardant, yard  
good

**AV98F001**



**AV98F002**



Tool, wrench insert for torque  
wrench, SW13

**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.