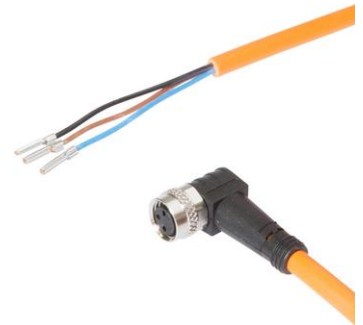


## VK20R071

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

Connection cable, 2m, M8 Female (socket) 3pin Angular, Free conductor end, 3x0.25mm<sup>2</sup>, PUR (Polyurethane) Orange, Ø4.6mm, 60V, -40-90°C, IP67, TPU, 4A, Robotics, Suitable for trailing chain and torsion resistant, Oil and cooling lubricants, Welding...



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
Number of pins of A connection	3
Ampacity	4 A
Operating voltage (AC 50Hz)	60 V
Operating voltage (DC)	60 V

**Mechanical features**

Number of cores	3
Conductor cross-section	0.25 mm <sup>2</sup>
Cable sheath color	orange
Cable length	2 m
Cable infeed of A connection	angular
Maximum tightening torque of connection A	0.6 Nm
bending cycles	≥ 10 million cycles
Degree of protection (IP)	IP67
Torsion cycles	+/-360°/m, ≥ 10 million cycles
Contact coating material	Gold
Housing material	TPU
Material of cable sheath	Plastic (PUR)
Contact body material	Brass
Perm. ambient temperature of cable, fixed cable	-40 - 90 °C
Perm. ambient temperature of cable, flexible cable	-30 - 90 °C
Suitable for trailing chain	Yes
Seawater-resistant	Yes
Material of the screw fitting	Brass
Line diameter	4.6 mm

**Optical features**

Degree of soiling	3
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**Other features**

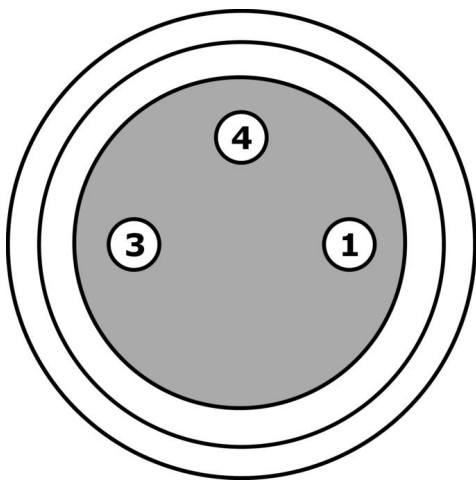
Flame retardant	in accordance with EN 60332-2-2
Halogen-free	Yes
Hydrolysis-proof	Yes
Free of LABS	Yes
Ozone and UV-resistant	Yes
Robotics	Yes
Suitable for trailing chain and torsion resistant	Yes
Welding area	Yes
Silicone-free	Yes
Acid and alkali-resistant	Yes
Oil and cooling lubricants	Yes

**Classification**

ETIM 8	EC001855 Assembled sensor-actuator cable
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**More**

IPF Product Group	850 cable sockets / connectors (one side ready made)
packaging dimensions	
gross weight	
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

**Extract accessories program**

**AV000116**



Labeling material, Label sleeve,  
30mm long, Cable diameter 3.7-6.  
2mm, Plastic, Transparent

**AV98F001**



**AV98F002**



Tool, wrench insert for torque  
wrench, SW13

**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

**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

**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.