

## VK500C21

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

Connection cable, 5m, M12 Female (socket) 12pin Angular, Free conductor end, 12x0.14mm<sup>2</sup>, PUR (Polyurethane), Ø5.8mm, 30V, -25-90°C, IP67, Suitable for trailing chain and torsion resistant, Oil and cooling lubricants, Welding area, Silicone-free



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 A electrical connection	M12
Type of B electrical connection	Free conductor end
Number of pins of A connection	12
Ampacity	1.5 A
Operating voltage (AC 50Hz)	30 V
Operating voltage (DC)	30 V

#### Mechanical features

Number of cores	12
Wire assembly	72 x 0.05mm
Conductor cross-section	0.14 mm <sup>2</sup>
Cable length	5 m
Cable infeed of A connection	angular
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
Material of cable sheath	Plastic (PUR)
Perm. ambient temperature of cable, fixed cable	-25 - 90 °C
Suitable for trailing chain	Yes
Material of the screw fitting	Brass
Line diameter	5.8 mm

**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

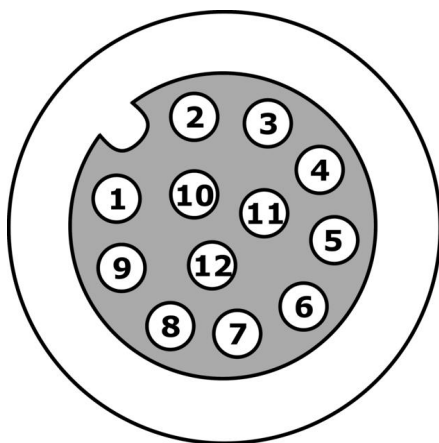
**Classification**

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

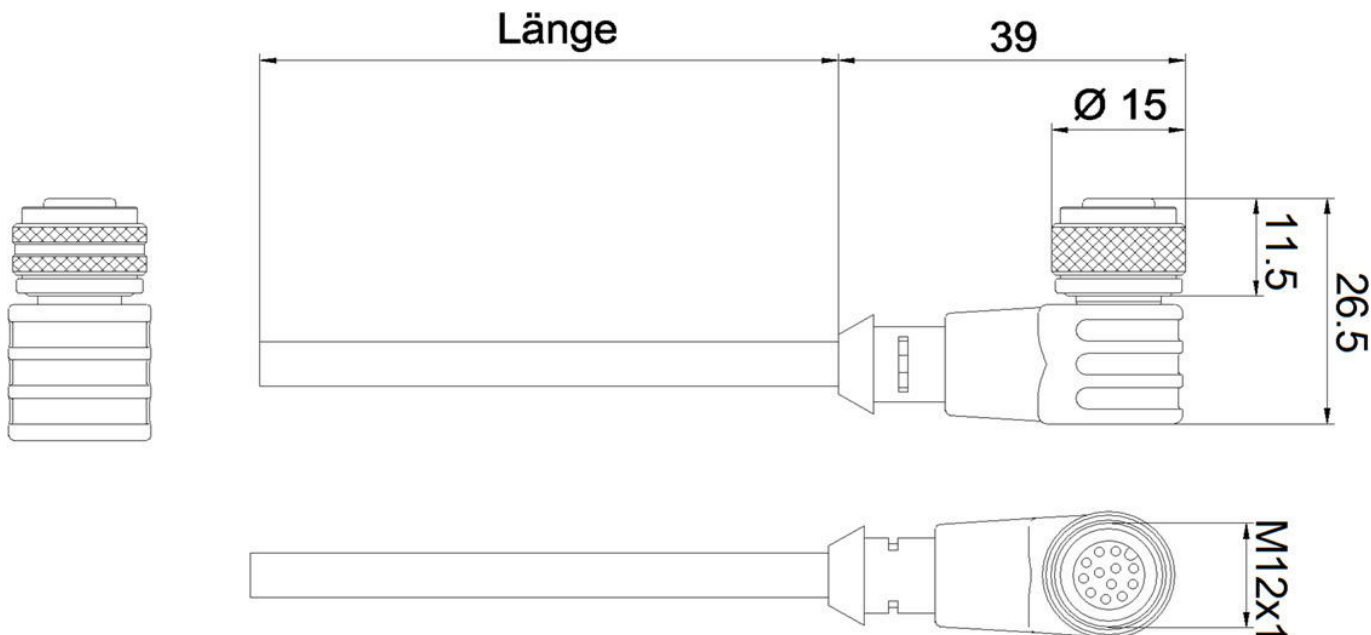
IPF Product Group	856 cable socket / cable connector (diverse)
packaging dimensions	190 x 190 x 30 mm
gross weight	201 g
Customs tariff number	85444290
WEEE number	40951076
OzDS-compliant	Yes
POP-compliant	Yes
Reach-compliant	Yes
RoHS-compliant	Yes

**Connection**



- 1** brown
- 2** blue
- 3** white
- 4** green
- 5** pink
- 6** yellow
- 7** black
- 8** gray
- 9** red
- 10** violet
- 11** gray/pink
- 12** red/blue

**Dimensional drawing**



**Extract accessories program**

**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

**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.