

VKB00321

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

Connection cable, 20m, M12 Female (socket) 4pin Angular, Free conductor end, 4wire, PUR (Polyurethane), Ø4.7mm, 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
Line diameter	4.7mm
Number of pins of A connection	4
Operating voltage (AC 50Hz)	60V
Operating voltage (DC)	60V

Mechanical features

Number of cores	4
Wire assembly	42 x 0.1mm
Cable length	20m
Cable infeed of A connection	angular
Maximum tightening torque of connection A	1Nm
bending cycles	5 million cycles
Torsion cycles	+/-360°/m, ≥ 2 million cycles
Material of cable sheath	Plastic (PUR)
Suitable for trailing chain	Yes
Material of the screw fitting	Brass

Other features

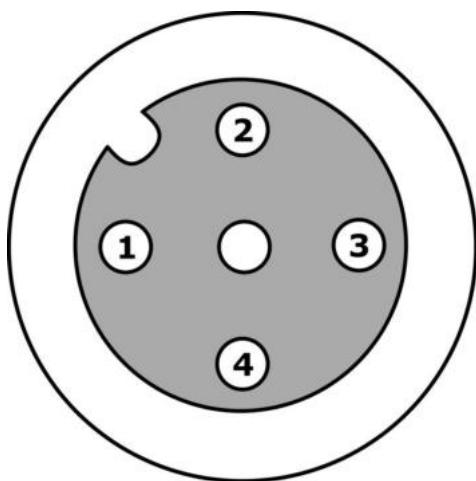
Flame retardant	in accordance with EN 60332-2-2
Halogen-free	Yes
Hydrolysis-proof	Yes
Free of LABS	Yes
Ozone and UV-resistant	Yes
Suitable for trailing chain and torsion resistant	Yes
Welding area	Yes
Silicone-free	Yes
Oil and cooling lubricants	Yes
Version	Connection cable

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	200 x 130 x 35 mm
gross weight	600 g
Customs tariff number	85444290
WEEE number	40951076
OzDS-compliant	Yes
POP-compliant	Yes
Reach-compliant	Yes
RoHS-compliant	Yes

Connection

- 1** brown
- 2** white
- 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.

Dimensional drawing