

VK30RF84

Connection technology • Cable sockets / connectors pre-assembled on two sides

Connection cable, 3m, M8 socket 3-pin straight, M12 connector 3-pin straight, 3x0.25mm², PUR (polyurethane) orange, Ø4.6mm, 60V, -40-90°C, IP69K, 4A, robotics, suitable for trailing chain and torsion resistant, oils and cooling lubricants, welding area, silicone-free



This connection cable has pre-wired connections on both sides. It can be used to cost-effectively integrate end devices with a plug connection via a distribution terminal or a logic module.

One side of the VK30RF84 is equipped with a straight 3-pin M8 cable socket and the other with a straight 3-pin M12 cable connector. The cores of the line with a plastic sheath (PUR) can each be loaded with 4A.

Electrical features

Type of plug-in contact, A connection	Female (socket)
Type of plug-in contact, B connection	Male (connector)
Type of A electrical connection	M8
Type of B electrical connection	M12
Number of pins of A connection	3
Number of pins of B 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 ²
Cable sheath color	orange
Cable length	3 m
Cable infeed of A connection	straight
Cable infeed of B connection	straight
Maximum tightening torque of connection A	0.6 Nm
Maximum tightening torque of connection B	1 Nm
bending cycles	≥ 10 million cycles
Degree of protection (IP)	IP69K
Torsion cycles	+/-360°/m, ≥ 10 million cycles
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	Nickel-plated (n-pltd) brass
Contact material	CuSn, gold-plated
Ambient temperature	-40 - 90 °C
Line diameter	4.6 mm

Optical features

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

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

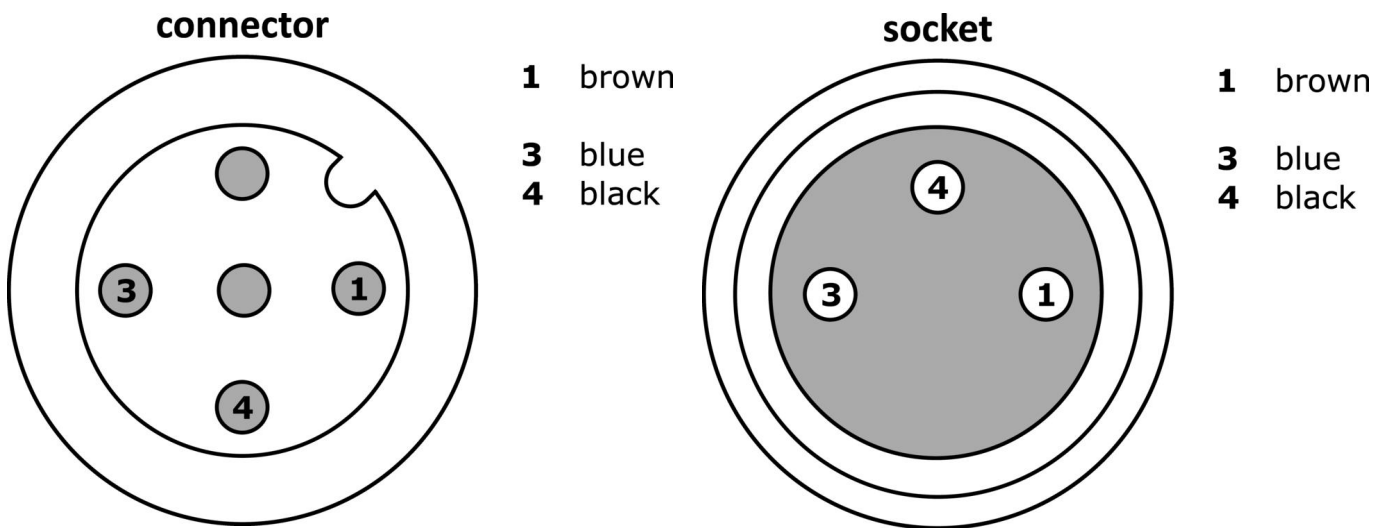
Classification

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

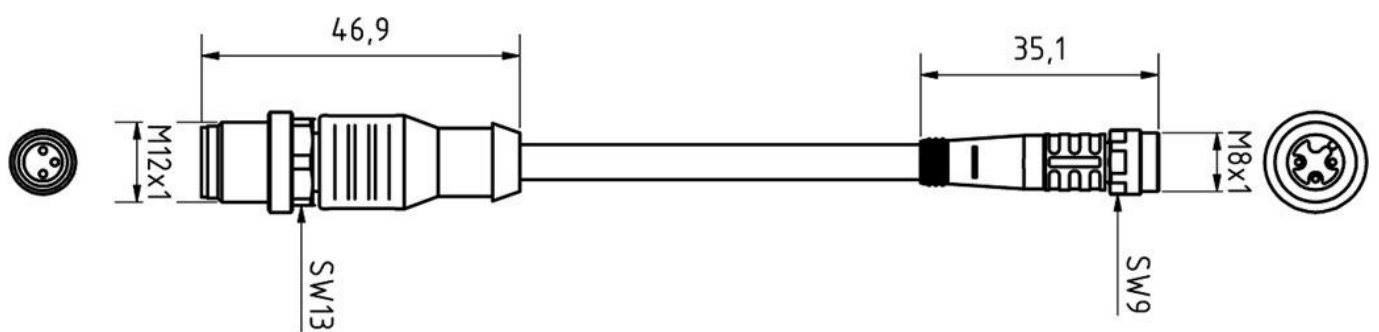
More

IPF Product Group	851 cable sockets / connectors (both side ready made)
packaging dimensions	
gross weight	50 g
Customs tariff number	85444290
WEEE number	40951076
OzDS-compliant	Yes
POP-compliant	Yes
Reach-compliant	Yes
RoHS-compliant	Yes

Connection



Dimensional drawing



Extract accessories program

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

VK200021



Connection cable, 2m, M12 Female (socket) 3pin Angular, Free conductor end, 3x0.34mm², PUR (Polyurethane), Ø4.3mm, 250V, -30-90°C, IP67, Suitable for trailing chain and torsion resistant, Oil and cooling lubricants, Welding area, Silicone-free

VK200025



Connection cable, 2m, M12 Female (socket) 3pin Straight, Free conductor end, 3x0.34mm², PUR (Polyurethane), Ø4.3mm, 250V, -30-90°C, IP67, Suitable for trailing chain and torsion resistant, Oil and cooling lubricants, Welding area, Silicone-free

VK000037



Adaption, M12 Female (socket) 3pin Straight, M8 Male (connector) 3pin Straight, 24V, -25-85°C, IP67, Oil and cooling lubricants, Welding area

AV000117



Labeling material, Label, 2, 1x30x4mm, Plastic PC, 34 identification labels

VK003021



Cable socket, Angular, Suitable for self-assembly, Screw connection, Ø3-6.5mm, 4A, 60V, -25-90°C, M12 Female (socket) 5pin, IP67, PBT

VK003025



Cable socket, Straight, Suitable for self-assembly, Screw connection, Ø3-6.5mm, 4A, 60V, -25-90°C, M12 Female (socket) 5pin, IP67, PBT

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.