



# YF8U14-050VA3M2A14

Sensor-actuator cables

CONNECTORS AND CABLES

**SICK**  
Sensor Intelligence.



### Ordering information

Type	part no.
YF8U14-050VA3M2A14	2096609

Other models and accessories → [www.sick.com/Sensor-actuator\\_cables](http://www.sick.com/Sensor-actuator_cables)



### Detailed technical data

#### Technical specifications

<b>Connection type head A</b>	Female connector, M8, 4-pin, straight, A-coded
<b>Connection type head B</b>	Male connector, M12, 4-pin, straight, A-coded
<b>Locking plug connector</b>	Screw connection
<b>Connector material</b>	TPU
<b>Connector color</b>	Black
<b>Locking nut material</b>	Zinc die-cast, nickel-plated
<b>Seal material</b>	FKM
<b>Tightening torque</b>	0.4 Nm (M8), 0.6 Nm (M12)
<b>Width across flats</b>	9 (M8), 13 (M12)
<b>Cable</b>	5 m, 4-wire, PVC
<b>Jacket material</b>	PVC
<b>Jacket color</b>	Gray
<b>Cable diameter</b>	4.8 mm
<b>Conductor cross section</b>	0.25 mm <sup>2</sup>
<b>Shielding</b>	Unshielded
<b>Bending radius</b>	
Flexible use	> 10 x cable diameter
Stationary position	> 5 x cable diameter
<b>Nominal voltage, cable</b>	300 V AC
<b>Test voltage, cable</b>	2,000 V AC
<b>Reference voltage</b>	
	50 V AC
	60 V DC
<b>Rated impulse voltage</b>	1.5 kV
<b>Current loading</b>	4 A
<b>Signal type</b>	Sensor/actuator cable
<b>Application</b>	Zones with chemicals Uncontaminated zones
<b>Authorizations</b>	UL
<b>UL File No.</b>	E335179

Enclosure rating	IP65 / IP66K / IP67
Operating temperature	
	Flexible use
	Stationary position
	Head
Contamination rating	3
Insulation resistance	100 MΩ
Overvoltage category	III
Specific insulation resistance	30 mΩ
Thermal resistance, piping	Flame retardant according to UL 1581 VW1 / CSA FT1

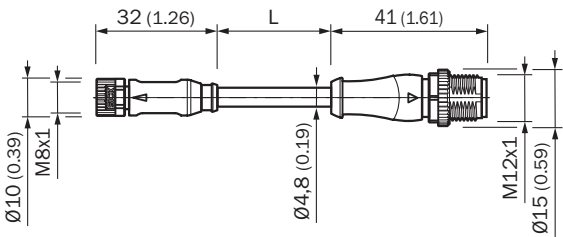
Classifications

ECLASS 5.0	19030312
ECLASS 5.1.4	19030312
ECLASS 6.0	27060304
ECLASS 6.2	27060304
ECLASS 7.0	27060304
ECLASS 8.0	27060304
ECLASS 8.1	27060304
ECLASS 9.0	27060304
ECLASS 10.0	27060304
ECLASS 11.0	27060304
ECLASS 12.0	27060304
ETIM 5.0	EC000830
ETIM 6.0	EC000830
ETIM 7.0	EC003249
ETIM 8.0	EC003249
UNSPSC 16.0901	26121604

Certificates

EU declaration of conformity	✓
UK declaration of conformity	✓
China-RoHS	✓
cULus certificate	✓



Dimensional drawing



Dimensions in mm (inch)

Recommended accessories

Other models and accessories → [www.sick.com/Sensor-actuator\\_cables](http://www.sick.com/Sensor-actuator_cables)

	Brief description	Type	part no.
Mounting systems			
	<ul style="list-style-type: none"><li>• <b>Description:</b> M8 mounting key set for SW9 with calibrated torque 0.4 Nm</li><li>• <b>Packing unit:</b> 1 piece</li><li>• <b>Suitable for:</b> M8 Standard</li></ul>	TOOL-TW04M08AF09	5337207
	<ul style="list-style-type: none"><li>• <b>Description:</b> M12 mounting key set for SW13 with calibrated torque 0.6 Nm</li><li>• <b>Packing unit:</b> 1 piece</li><li>• <b>Suitable for:</b> M12 Standard</li></ul>	TOOL-TW06M12AF13	5337208

## SICK AT A GLANCE

SICK is one of the leading manufacturers of intelligent sensors and sensor solutions for industrial applications. A unique range of products and services creates the perfect basis for controlling processes securely and efficiently, protecting individuals from accidents and preventing damage to the environment.

We have extensive experience in a wide range of industries and understand their processes and requirements. With intelligent sensors, we can deliver exactly what our customers need. In application centers in Europe, Asia and North America, system solutions are tested and optimized in accordance with customer specifications. All this makes us a reliable supplier and development partner.

Comprehensive services complete our offering: SICK LifeTime Services provide support throughout the machine life cycle and ensure safety and productivity.

**For us, that is “Sensor Intelligence.”**

## WORLDWIDE PRESENCE:

Contacts and other locations –[www.sick.com](http://www.sick.com)