



# YM2AP4-050VB3F2AP4

Sensor-actuator cables

CONNECTORS AND CABLES

**SICK**  
Sensor Intelligence.



### Ordering information

Type	part no.
YM2AP4-050VB3F2AP4	6052631

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, M12, 4-pin, straight
<b>Connection type head B</b>	Male connector, M12, 4-pin, straight
<b>Connector material</b>	PUR
<b>Connector color</b>	Gray
<b>Locking nut material</b>	Stainless steel (V4A/1.4404)
<b>Tightening torque</b>	0.6 Nm
<b>Width across flats</b>	14
<b>Cable</b>	5 m, 4-wire, PVC
<b>Jacket material</b>	PVC
<b>Jacket color</b>	Gray
<b>Cable diameter</b>	5 mm
<b>Conductor cross section</b>	0.34 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>Reference voltage</b>	≤ 250 V
<b>Rated impulse voltage</b>	2.5 kV
<b>Current loading</b>	4 A
<b>Signal type</b>	Sensor/actuator cable
<b>Application</b>	Uncontaminated zones Hygienic and washdown zones Zones with chemicals

<sup>1)</sup> Tested cleaning agents: 3% P3 – topax 990, 5% P3 – topoactive 200, 5% P3 – topax 52, 3% P3 – topax 66, 3% P3 – topoactive OKTO; Insulating material group: Cat I.

<sup>2)</sup> Insulating material group: Cat I.

<b>Note</b>	This product is generally resistant to chemical cleaning agents (see ECOLAB). Please do not use cleaning agents of any other kind. <sup>1)</sup> Not resistant against lactic acid & hydrogen peroxide (H2O2) <sup>2)</sup>
<b>UL File No.</b>	CYJV.E335179
<b>Enclosure rating</b>	IP65/ IP67/ IP69K
<b>Operating temperature</b>	
Flexible use	-5 °C ... +80 °C
Stationary position	-30 °C ... +80 °C
Head	-25 °C ... +80 °C

<sup>1)</sup> Tested cleaning agents: 3% P3 – topax 990, 5% P3 – topoactive 200, 5% P3 – topax 52, 3% P3 – topax 66, 3% P3 – topoactive OKTO; Insulating material group: Cat I.

<sup>2)</sup> Insulating material group: Cat I.

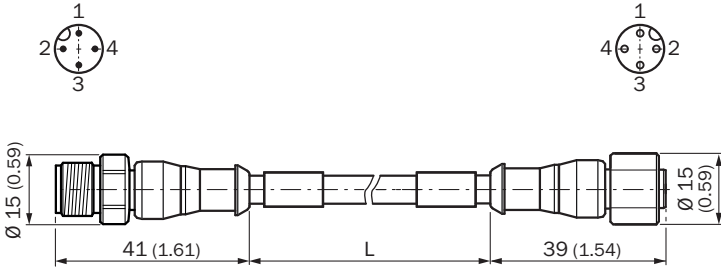
### Certificates

<b>EU declaration of conformity</b>	✓
<b>UK declaration of conformity</b>	✓
<b>China RoHS</b>	✓
<b>ECOLAB certificate</b>	✓
<b>cULus certificate</b>	✓

### Classifications

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

Dimensional drawing



Dimensions in mm (inch)

- ① brn
- ② blk
- ③ blu
- ④ wht

## 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)