



# YM2A6B-050UD3XLEAX

Sensor/actuator cable

**SICK**  
Sensor Intelligence.



## Ordering information

Type	Part no.
YM2A6B-050UD3XLEAX	2131103

Other models and accessories → [www.sick.com/Sensor\\_actuator\\_cable](http://www.sick.com/Sensor_actuator_cable)

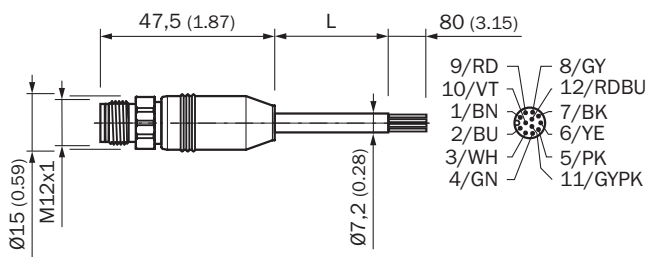
## Detailed technical data

### Technical specifications

<b>Connection type head A</b>	Male connector, M12, 12-pin, straight, A-coded						
<b>Connection type head B</b>	Flying leads						
<b>Locking plug connector</b>	Screw connection						
<b>Connector material</b>	TPU						
<b>Connector color</b>	Black						
<b>Tightening torque</b>	0.6 Nm						
<b>Width across flats</b>	13						
<b>Cable</b>	5 m, 12-wire, PUR, halogen-free						
<b>Jacket material</b>	PUR, halogen-free						
<b>Jacket color</b>	Black						
<b>Cable diameter</b>	7.2						
<b>Conductor cross section</b>	2 x 2 x 0.14 mm <sup>2</sup>						
<b>Shielding</b>	Shielded						
<b>Bending radius</b>	<table border="0"> <tr> <td>Flexible use</td> <td>&gt; 10 x cable diameter</td> </tr> <tr> <td>Stationary position</td> <td>&gt; 5 x cable diameter</td> </tr> <tr> <td>Drag chain operation</td> <td>&gt; 10 x cable diameter</td> </tr> </table>	Flexible use	> 10 x cable diameter	Stationary position	> 5 x cable diameter	Drag chain operation	> 10 x cable diameter
Flexible use	> 10 x cable diameter						
Stationary position	> 5 x cable diameter						
Drag chain operation	> 10 x cable diameter						
<b>Bending cycles</b>	5,000,000						
<b>Rated impulse voltage</b>	0.8 kV						
<b>Current loading</b>	1.5 A						
<b>Traversing speed</b>	3.3 m/s						
<b>Travelling distance</b>	5 m						
<b>Acceleration</b>	≤ 5 m/s <sup>2</sup>						
<b>Signal type</b>	Sensor/actuator cable						
<b>Torsion force</b>	1 m						
<b>Torsion cycles</b>	500,000						
<b>Cycles per minutes</b>	35						
<b>Application</b>	Uncontaminated zones Zones with oils and lubricants Robot Drag chain operation Outdoor						

<b>Authorizations</b>	CE
<b>Enclosure rating</b>	IP65 / IP66K / IP67
<b>Operating temperature</b>	
Flexible use	-25 °C ... +80 °C
Stationary position	-40 °C ... +80 °C
Drag chain operation	-25 °C ... +80 °C
Head	-25 °C ... +85 °C
<b>Contamination rating</b>	3
<b>Overvoltage category</b>	III

Dimensional drawing (Dimensions in mm (inch))



## 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)