



# YF2A2D-100UV1XLEAX

Sensor-actuator cables

CONNECTORS AND CABLES

**SICK**  
Sensor Intelligence.



Illustration may differ



### Ordering information

Type	part no.
YF2A2D-100UV1XLEAX	6048817

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, 17-pin, straight, A-coded
<b>Connection type head B</b>	Flying leads
<b>Connector material</b>	TPU
<b>Connector color</b>	Black
<b>Locking nut material</b>	Nickel-plated brass
<b>Tightening torque</b>	0.4 Nm
<b>Cable</b>	10 m, 17-wire, PUR
<b>Jacket material</b>	PUR
<b>Cable diameter</b>	9.2 mm
<b>Conductor cross section</b>	0.14 mm <sup>2</sup>
<b>Shielding</b>	Shielded
<b>Bending radius</b>	
Flexible use	> 10 x cable diameter
Stationary position	> 5 x cable diameter
<b>Bending cycles</b>	≤ 4,000,000
<b>Reference voltage</b>	
	≤ 30 V
<b>Traversing speed</b>	3 m/s
<b>Travelling distance</b>	10 m
<b>Acceleration</b>	≤ 10 m/s <sup>2</sup>
<b>Signal type</b>	Sensor/actuator cable
<b>Special feature</b>	Twisted pair
<b>Application</b>	Zones with oils and lubricants Robot Drag chain operation
<b>Enclosure rating</b>	IP65/ IP67
<b>Operating temperature</b>	
Flexible use	-5 °C ... +80 °C
Stationary position	-30 °C ... +80 °C
Head	-25 °C ... +90 °C

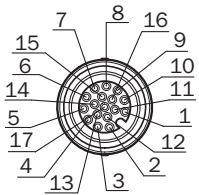
Certificates

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

PIN assignment



- ① Brown
- ② blue
- ③ White
- ④ Green
- ⑤ Pink
- ⑥ Yellow
- ⑦ Black
- ⑧ Gray
- ⑨ Red
- ⑩ Violet
- ⑪ Gray-pink
- ⑫ Red-blue
- ⑬ White-green
- ⑭ Brown-green
- ⑮ White-yellow
- ⑯ Yellow-brown
- ⑰ White-gray

## 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)