



# YF2AA8-100S01MKA18

Sensor/actuator cable

PLUG CONNECTORS AND CABLES

**SICK**  
Sensor Intelligence.



### Ordering information

Type	Part no.
YF2AA8-100S01MKA18	2099210

For 8-pin sensor-actuator cables, the wire colors are not standardized. Therefore, please observe the pin assignment of the sensor and the cable in the respective data sheet.

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

### Detailed technical data

#### Technical specifications

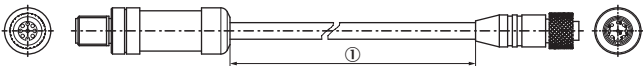
<b>Connection type head A</b>	Female connector, M12, 8-pin, straight, A-coded
<b>Connection type head B</b>	Male connector, M12, 8-pin, straight, A-coded
<b>Connector color</b>	Black
<b>Cable</b>	10 m, 8-wire, PUR, halogen-free
<b>Jacket material</b>	PUR, halogen-free
<b>Cable diameter</b>	7 mm
<b>Conductor cross section</b>	4 x 2 x 0.25 mm <sup>2</sup>
<b>Shielding</b>	Shielded
<b>Permitted cross-section</b>	≤ 0.25 mm <sup>2</sup>
<b>Bending cycles</b>	> 2,000,000
<b>Reference voltage</b>	≤ 30 V
<b>Current loading</b>	1.75 A
<b>Application</b>	Drag chain operation
<b>Note</b>	Drag chain use
<b>Enclosure rating</b>	IP67
<b>Operating temperature</b>	
	Flexible use -25 °C ... +80 °C
	Stationary position -50 °C ... +80 °C
	Head -25 °C ... +80 °C

#### 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 See technical data for length of cable

Wire colors (cable connection)	Male connector M12, 8-pin
Brown	1
White	2
Black	3
Red	4
Yellow	5
Yellow	6
Blue	7
Red	8
Screen	Housing side

## 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)