



## YF2ASD-050XXXXECX

Other connectors and cables

**CONNECTORS AND CABLES**

**SICK**  
Sensor Intelligence.



## Ordering information

Type	part no.
YF2ASD-050XXXXLECX	2070426

Other models and accessories → [www.sick.com/Other\\_connectors\\_and\\_cables](http://www.sick.com/Other_connectors_and_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>Connection type</b>	Flying leads	
<b>Locking plug connector</b>	Quick screw connection	
<b>Cable</b>	5 m, 17-wire, stripped, PE-X	
<b>Jacket material</b>	PE-X	
<b>Cable diameter</b>	9.1 mm	
<b>Shielding</b>	Shielded	
<b>Bending radius</b>		
	Flexible use	> 10 x cable diameter
	Stationary position	> 5 x cable diameter
	Drag chain operation	> 10 x cable diameter
<b>Bending cycles</b>	1,000,000	
<b>Traversing speed</b>	3 m/s	
<b>Travelling distance</b>	10 m	
<b>Acceleration</b>	$\leq 10 \text{ m/s}^2$	
<b>Signal type</b>	Power, serial, CAN, digital I/Os	
<b>Special feature</b>	Suitable for 2 A, Changed color coding of the flying leads	
<b>Application</b>	Drag chain operation	
<b>Note</b>	Max. permissible current strength at ambient temperature 50 °C: Contact 1 (blue) and contact 2 (brown): 3 A while the remaining contacts are operated with max. 100 mA; max. permissible current strength at ambient temperature 40 °C: 2 A for two and 1.5 A for 15 contacts.	
<b>Operating temperature</b>		
	Flexible use	-25 °C ... +80 °C
	Stationary position	-40 °C ... +80 °C

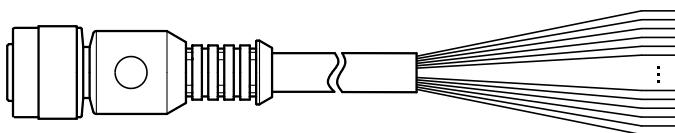
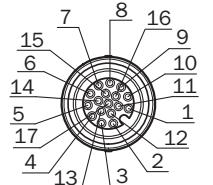
## Certificates

<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 blue
- ② Brown
- ③ Green
- ④ White
- ⑤ Pink
- ⑥ Yellow
- ⑦ Black
- ⑧ Gray
- ⑨ White-black
- 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)