



DATA SHEET

YF2A2D-100UV1XLEAX

Sensor-actuator cables
Connectors and cables

SICK

Sensor Intelligence



Illustration may differ

CONNECTORS AND CABLES

YF2A2D-100UV1XLEAX

ORDERING INFORMATION

Type	part no.
YF2A2D-100UV1XLEAX	6048817

Further device versions and accessories at www.sick.com/Sensor-actuator_cables



DETAILED TECHNICAL DATA

TECHNICAL SPECIFICATIONS

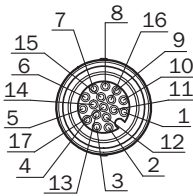
Connection type head A	Female connector, M12, 17-pin, straight, A-coded	
Connection type head B	Flying leads	
Connector material	TPU	
Connector color	Black	
Locking nut material	Nickel-plated brass	
Tightening torque	0.4 Nm	
Cable	10 m, 17-wire, PUR	
Jacket material	PUR	
Cable diameter	9.2 mm	
Conductor cross section	0.14 mm²	
Shielding	Shielded	
Bending radius	Flexible use	> 10 x cable diameter
	Stationary position	> 5 x cable diameter
Bending cycles	≤ 4,000,000	
Reference voltage	≤ 30 V	
Traversing speed	3 m/s	
Travelling distance	10 m	
Acceleration	≤ 10 m/s²	
Signal type	Sensor/actuator cable	
Special feature	Twisted pair	
Application	Zones with oils and lubricants Robot Drag chain operation	
Enclosure rating	IP65/ IP67	
Operating temperature	Flexible use	-5 °C ... +80 °C
	Stationary position	-30 °C ... +80 °C

Head -25 °C ... +90 °C

CERTIFICATES

EU declaration of conformity	✓
UK declaration of conformity	✓
China RoHS	✓
China Compulsory Product Certification (CCC) exempt	✓

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

Further information as well as suitable accessories, example applications and downloads such as CAD dimensional models, operating instructions and software can be found at www.sick.com/6048817

SICK AG
WALDKIRCH
GERMANY
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SICK AT A GLANCE

SICK is a leading global technology company for intelligent sensors and integrated solutions in industrial automation. Our technologies set benchmarks, making your industrial processes more efficient, safer and more sustainable – both in logistics and manufacturing operations.

SICK combines sensor intelligence with industry expertise and certified consulting services. We provide the ideal foundation for scalable as well as tailor-made automation solutions and create added value along the entire value chain. Our close partnerships with our customers are more than just a promise: Together, we optimize productivity, improve quality, protect health and safety, and help build a sustainable future. All with empathy and trust.

Since 1946, we have been developing innovative technologies with passion and a pioneering spirit. With a global network in around 40 countries, SICK has a global presence and is always close by. The company's headquarters are located in Waldkirch near Freiburg, Germany. Our customers benefit from our understanding of both local and global requirements, which enables us to deliver tailor-made solutions

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