SICK.COM



DATA SHEET

YF2A2B-050UD3XLEAX

Sensor-actuator cables
Connectors and cables

SICK Sensor Intelligence



CONNECTORS AND CABLES

YF2A2B-050UD3XLEAX

ORDERING INFORMATION

Type	part no.
YF2A2B-050UD3XLEAX	6042735

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

DETAILED TECHNICAL DATA

TECHNICAL SPECIFICATIONS

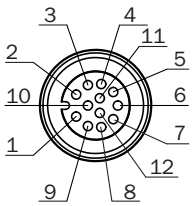
Connection type head A	Female connector, M12, 12-pin, straight, A-coded
Connection type head B	Flying leads
Connection type	Flying leads
Connector material	TPU
Locking nut material	Zinc die-cast, nickel-plated
Cable	5 m, 12-wire, PUR, halogen-free
Jacket material	PUR, halogen-free
Jacket color	Black
Cable diameter	8.5 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	2,000,000
Reference voltage	≤ 30 V
Current loading	1.5 A
Traversing speed	3 m/s
Travelling distance	10 m
Acceleration	≤ 10 m/s²
Signal type	Sensor/actuator cable
Special feature	Twisted pair
Application	Uncontaminated zones Zones with oils and lubricants Robot Drag chain operation

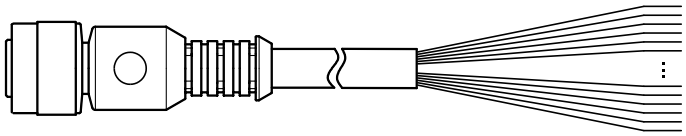
Enclosure rating	IP65/ IP67
Operating temperature	
Flexible use	–5 °C ... +80 °C
Stationary position	–30 °C ... +80 °C
Head	–25 °C ... +90 °C

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

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/6042735

SICK AG
WALDKIRCH
GERMANY
SICK.COM

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

SICK

Sensor Intelligence