SICK.COM



DATA SHEET

YF2AA8-100S01MKA18

Other connectors and cables
Connectors and cables

SICK Sensor Intelligence



CONNECTORS AND CABLES

YF2AA8-100S01MKA18

ORDERING INFORMATION

Type	part no.
YF2AA8-100S01MKA18	2099210

Further device versions and accessories at www.sick.com/Other_connectors_and_cables

DETAILED TECHNICAL DATA

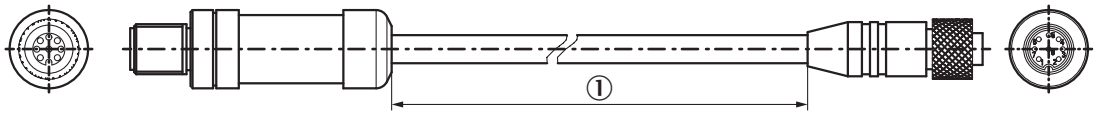
TECHNICAL SPECIFICATIONS

Connection type head A	Female connector, M12, 8-pin, straight, A-coded
Connection type head B	Male connector, M12, 8-pin, straight, A-coded
Connector color	Black
Cable	10 m, 8-wire, PUR, halogen-free
Jacket material	PUR, halogen-free
Cable diameter	7 mm
Conductor cross section	4 x 2 x 0.25 mm²
Shielding	Shielded
Permitted cross-section	≤ 0.25 mm²
Bending cycles	> 2,000,000
Reference voltage	≤ 30 V
Current loading	1.75 A
Application	Drag chain operation
Note	Drag chain use
Enclosure rating	IP67
Operating temperature	
Flexible use	–25 °C ... +80 °C
Stationary position	–50 °C ... +80 °C
Head	–25 °C ... +80 °C

CERTIFICATES

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

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
Shielding	Housing side

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/2099210

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