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DATA SHEET

YF2A15-020C1BXLEAX

Industrial Ethernet cables and fieldbus cables
Connectors and cables

SICK Sensor Intelligence

CONNECTORS AND CABLES

YF2A15-020C1BXLEAX

ORDERING INFORMATION

Type	part no.
YF2A15-020C1BXLEAX	2106283

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



DETAILED TECHNICAL DATA

TECHNICAL SPECIFICATIONS

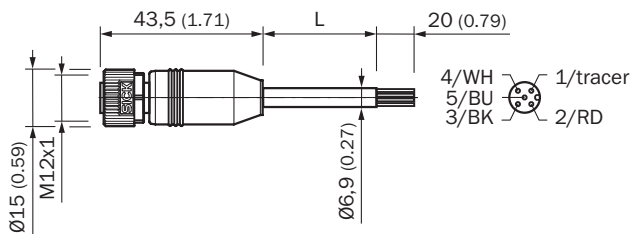
Connection type head A	Female connector, M12, 5-pin, straight, A-coded	
Connection type head B	Flying leads	
Locking plug connector	Screw connection	
Connector material	TPU	
Connector color	Black	
Locking nut material	Zinc die-cast, nickel-plated	
Seal material	FKM	
Tightening torque	0.6 Nm	
Width across flats	13	
Cable	2 m, 4-wire, PUR, halogen-free	
Jacket material	PUR, halogen-free	
Jacket color	Violet	
Cable diameter	6.9 mm	
Conductor cross section	0.25 mm ² + 0.35 mm ² + 1 x drain wire	
Shielding	Shielded	
Bending radius	Flexible use	> 10 x cable diameter
	Stationary position	> 6 x cable diameter
	Drag chain operation	> 10 x cable diameter
Bending cycles	1,000,000	
Nominal voltage, cable	300 V AC	
Test voltage, cable	2,000 V AC	
Reference voltage	48 V AC	

	60 V DC
Rated impulse voltage	1.5 kV
Current loading	4 A
Traversing speed	3 m/s
Travelling distance	5 m
Acceleration	$\leq 5 \text{ m/s}^2$
Signal type	Fieldbus, CANopen, DeviceNet™
Application	Drag chain operation Zones with oils and lubricants
UL File No.	E513908
Enclosure rating	IP65 / IP66K / IP67
Operating temperature	Flexible use -30 °C ... +70 °C Stationary position -40 °C ... +80 °C Drag chain operation -30 °C ... +80 °C Head -25 °C ... +85 °C
Contamination rating	3
Insulation resistance	> 100 MΩ
Overvoltage category	III
Specific insulation resistance	< 30 mΩ
Thermal resistance, piping	Flame retardant acc. to UL 1581 Section 1090, Section 1100 (FT2) / IEC 60332-1-2

CERTIFICATES

EU declaration of conformity	✓
UK declaration of conformity	✓
China RoHS	✓
cULus certificate	✓

DIMENSIONAL DRAWING



Dimensions in mm (inch)

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/2106283



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SICK AT A GLANCE

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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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