

YF2A15-015UB5M2A15

Sensor/actuator cable

PLUG CONNECTORS AND CABLES





Ordering information

Туре	Part no.
YF2A15-015UB5M2A15	2096008

Other models and accessories → www.sick.com/Sensor_actuator_cable



Detailed technical data

Technical specifications

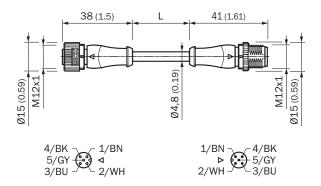
Accessory group Plug connectors and cables Accessory family Connection cables Connection type head B Male connector, M12, 5-pin, straight, A-coded Locking plug connector Screw connection Connector material TPU Connector color Black Locking nut material FKM Seal material FKM Tightening forque 0.6 Nm Width across flats 13 Cable 1.5 m, 5-wire, PUR, halogen-free Jacket material PUR, halogen-free Jacket color Black Cable diameter 4.8 mm Conductor cross section 0.34 mm² Shielding Unshielded Bending radius Flexible use > 10 x cable diameter Flexible use > 10 x cable diameter Stationary position > 5 x cable diameter Drag chain operation 10 x cable diameter Stationary position 25 x Cable diameter Stationary position 25 x Cable diameter Stationary position 25 x Cable diameter Stationary	real apacinations	
Connection type head A Female connector, M12, 5-pin, straight, A-coded Connection type head B Male connector, M12, 5-pin, straight, A-coded Locking plug connector Screw connection Connector material TPU Connector color Black Locking nut material Zinc die-cast, nickel-plated Seal material FKM Vidth across flats 13 Cable 1.5 m, 5-wire, PUR, halogen-free Jacket material PUR, halogen-free Jacket color Black Cable diameter 4.8 mm Conductor cross section 0.34 mm² Shielding Unshielded Bending radius Flexible use Stationary position > 10 x cable diameter Stationary position > 5 x cable diameter Nominal voltage, cable 300 v AC Test voltage, cable 2,500 v AC Reference voltage 125 v AC 125 v DC Rated impulse voltage 1.5 kV Current loading 4 A	Accessory group	Plug connectors and cables
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Connector color Locking nut material Seal material FKM Tightening torque Width across flats 13 Cable 1.5 m, 5-wire, PUR, halogen-free Jacket material Jacket color Black Cable diameter 4.8 mm Conductor cross section Shielding Bending radius Flexible use Stationary position Drag chain operation Drag chain operation Bending cycles Nominal voltage, cable Test voltage, cable Reference voltage Rated impulse voltage Current loading	Locking plug connector	Screw connection
Locking nut material Seal material FKM Tightening torque Width across flats 1.3 Cable 1.5 m, 5-wire, PUR, halogen-free Jacket material Jacket color Cable diameter Conductor cross section Shielding Bending radius Flexible use Stationary position Drag chain operation Drag chain operation Posity VAC Test voltage, cable Reference voltage 1.5 tv Locking in the diameter FKM 0.6 Nm 1.3 Locking PKM 1.3 Locking PUR PUR, halogen-free Black 4.8 mm 0.34 mm² Unshielded Vashielded Vashielded Vashielded Vashielded Vashieldiameter Vacable diameter Vacable diam	Connector material	TPU
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Tightening torque 0.6 Nm Width across flats 13 Cable 1.5 m, 5-wire, PUR, halogen-free Jacket material PUR, halogen-free Black PUR, halogen-free Cable diameter 4.8 mm Conductor cross section 0.34 mm² Shielding Unshielded Bending radius Flexible use Stationary position > 5 x cable diameter Drag chain operation > 10 x cable diameter Bending cycles 1,000,000 Nominal voltage, cable 300 V AC Test voltage, cable 2,500 V AC Reference voltage 125 V AC 125 V DC Rated impulse voltage 1.5 kV Current loading 4 A	Locking nut material	Zinc die-cast, nickel-plated
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Jacket color Black Cable diameter 4.8 mm Conductor cross section 0.34 mm² Shielding Bending radius Flexible use Stationary position Drag chain operation Drag chain operation Shominal voltage, cable Test voltage Reference voltage 1.5 kV Current loading PUR, halogen-free Black 4.8 mm 0.34 mm² V. Samma 0.34 mm² V. Sa	Width across flats	13
Jacket color Cable diameter 4.8 mm Conductor cross section O.34 mm² Unshielded Bending radius Flexible use Stationary position Drag chain operation Drag chain operation Bending cycles 10,000,000 Nominal voltage, cable Test voltage, cable Reference voltage 125 V AC 125 V DC Rated impulse voltage Current loading Black 4.8 mm 4.8 mm 4.8 mm 0.34 mm² Unshielded Unshielded > 10 x cable diameter > 10 x cable diameter > 10,000,000 A cable diameter > 10,000,000 Sov AC 155 V AC 125 V DC Rated impulse voltage 4.4 A	Cable	1.5 m, 5-wire, PUR, halogen-free
Cable diameter Conductor cross section Shielding Bending radius Flexible use Stationary position Drag chain operation Drag chain operation About 10,000,000 Nominal voltage, cable Test voltage, cable Reference voltage 125 V AC 125 V DC Rated impulse voltage Current loading 4.8 mm 0.34 mm² 10,34 mm²	Jacket material	PUR, halogen-free
Conductor cross section Shielding Bending radius Flexible use Stationary position Drag chain operation Nominal voltage, cable Test voltage, cable Reference voltage 125 V AC 125 V DC Rated impulse voltage Current loading 0.34 mm² Unshielded Unshielded 10 x cable diameter > 5 x cable diameter > 10 x cable diameter	Jacket color	Black
Shielding Bending radius Flexible use Stationary position Drag chain operation Drag chain operation Pending cycles Nominal voltage, cable Test voltage, cable Reference voltage 125 V AC 125 V DC Rated impulse voltage 1.5 kV Current loading Unshielded > 10 x cable diameter > 5 x cable diameter > 10 x cable diameter	Cable diameter	4.8 mm
Flexible use Stationary position Drag chain operation Bending cycles 10,000,000 Nominal voltage, cable Test voltage, cable Reference voltage 125 V AC 125 V DC Rated impulse voltage 1.5 kV Current loading > 10 x cable diameter > 10 x cable diameter > 10,000,000 300 V AC 2,500 V AC 125 V DC Rated impulse voltage 4 A	Conductor cross section	0.34 mm ²
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Stationary position Drag chain operation Bending cycles 10,000,000 Nominal voltage, cable 2,500 V AC Test voltage 125 V AC 125 V DC Rated impulse voltage 1.5 kV Current loading > 5 x cable diameter > 10 x cable diameter 10,000,000 10,000,000 10,000 10,000,00	Bending radius	
Drag chain operation > 10 x cable diameter 10,000,000 Nominal voltage, cable 300 V AC Test voltage, cable 2,500 V AC Reference voltage 125 V AC 125 V DC Rated impulse voltage 1.5 kV Current loading 4 A	Flexible use	> 10 x cable diameter
Description	Stationary position	> 5 x cable diameter
Nominal voltage, cable Test voltage, cable 2,500 V AC Reference voltage 125 V AC 125 V DC Rated impulse voltage 1.5 kV Current loading 300 V AC 2,500 V AC	Drag chain operation	> 10 x cable diameter
Test voltage, cable Reference voltage 125 V AC 125 V DC Rated impulse voltage 1.5 kV Current loading 2,500 V AC 4 A	Bending cycles	10,000,000
Reference voltage 125 V AC 125 V DC Rated impulse voltage 1.5 kV Current loading 4 A	Nominal voltage, cable	300 V AC
125 V AC 125 V DC Rated impulse voltage 1.5 kV Current loading 4 A	Test voltage, cable	2,500 V AC
125 V DC Rated impulse voltage 1.5 kV Current loading 4 A	Reference voltage	
Rated impulse voltage 1.5 kV Current loading 4 A		
Current loading 4 A		
Traversing speed 3 m/s		
	Traversing speed	3 m/s

Travelling distance	10 m	
Acceleration	≤ 10 m/s²	
Signal type	Sensor/actuator cable	
Torsion force	180°/1m	
Torsion cycles	2,000,000	
Cycles per minutes	35	
Application	Zones with oils and lubricants Drag chain operation Robot	
Authorizations	CE UL	
UL File No.	E335179	
Enclosure rating	IP65 / IP66K / IP67	
Ambient operating temperature		
Flexible use	-25 °C +80 °C	
Stationary position	-40 °C +80 °C	
Drag chain operation	-25 °C +80 °C	
Head	-25 °C +85 °C	
Contamination rating	3	
Insulation resistance	100 ΜΩ	
Overvoltage category	III	
Specific insulation resistance	30 mΩ	
Thermal resistance, piping	Flame retardant according to UL 1581, horizontal flame test/CSA FT2 / IEC 60332-1, IEC 60332-2-2	

Classifications

ECLASS 5.0	19030312
ECLASS 5.1.4	19030312
ECLASS 6.0	27060304
ECLASS 6.2	27060304
ECLASS 7.0	27060304
ECLASS 8.0	27060304
ECLASS 8.1	27060304
ECLASS 9.0	27060304
ECLASS 10.0	27060304
ECLASS 11.0	27060304
ECLASS 12.0	27060304
ETIM 5.0	EC000830
ETIM 6.0	EC000830
ETIM 7.0	EC003249
ETIM 8.0	EC003249
UNSPSC 16.0901	26121604

Dimensional drawing (Dimensions in mm (inch))



Recommended accessories

Other models and accessories → www.sick.com/Sensor_actuator_cable

	Brief description	Туре	Part no.	
Other mounting accessories				
	1 piece, M12 mounting key set for SW13 with calibrated torque 0.6 Nm	TOOL-TW06M12AF13	5337208	

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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.

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For us, that is "Sensor Intelligence."

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