

YF8U14-C60UA3M2A14

Sensor/actuator cable

PLUG CONNECTORS AND CABLES





Ordering information

Туре	Part no.
YF8U14-C60UA3M2A14	2096135

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



Detailed technical data

Technical specifications

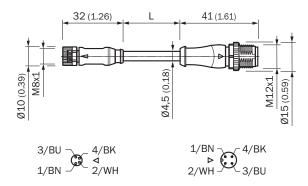
Accessory group Plug connectors and cables Accessory family Connection cables Connection type head B Female connector, M12, 4-pin, straight, A-coded Locking plug connector Screw connection Connector material TPU Connector color Black Locking nut material FKM Seal material FKM Tightening forque 0.4 Nm (M3), 0.6 Nm (M12) Width across flats 9 (M8), 13 (M12) Cable 0.6 m, 4-wire, PUR, halogen-free Jacket material PUR, halogen-free Jacket color Black Cable diameter 4.5 mm Conductor cross section 0.25 mm² Shielding Unshielded Bending radius Flexible use > 10 x cable diameter Stationary position > 5 x cable diameter Drag chain operation 10 x cable diameter Stationary position 5 x cable diameter Stationary position 5 x cable diameter Solv Ac 60 V DC Reference voltage 50 V AC Gol V DC </th <th>roommoar opcomoacion</th> <th></th> <th></th>	roommoar opcomoacion		
Connection type head A Female connector, M8, 4-pin, straight, A-coded Connection type head B Male connector, M12, 4-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 Tightening torque 0.4 Nm (M8), 0.6 Nm (M12) Width across flats 9 (M8), 13 (M12) Cable 0.6 m, 4-wire, PUR, halogen-free Jacket material PUR, halogen-free Jacket color Black Cable diameter 4.5 mm Conductor cross section 0.25 mm² Shielding Unshielded Bending radius Flexible use Stationary position > 10 x cable diameter So x cable diameter > 10 x cable diameter Nominal vottage, cable 2,500 V AC Test voltage, cable 2,500 V AC 60 V DC 60 V DC Rated impulse voltage 1,5 kV Current loading 4 A	Accessory group		Plug connectors and cables
Connection type head B Male connector, M12, 4-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 Tightening torque 0.4 Nm (M8), 0.6 Nm (M12) Width across flats 9 (M8), 13 (M12) Cable 0.6 m, 4-wire, PUR, halogen-free Jacket material PUR, halogen-free Jacket color Black Cable diameter 4.5 mm Conductor cross section 0.25 mm² Shielding Unshielded Bending radius Flexible use Stationary position Para chain operation > 10 x cable diameter Nominal vottage, cable 10 x cool diameter Test vottage, cable 300 v AC Test vottage, cable 50 v AC 60 v DC Rated impulse vottage 1.5 kV Current loading 4 A	Accessory family		Connection cables
Locking plug connector Screw connection Connector material TPU Connector color Black Locking nut material Zinc die-cast, nickel-plated Seal material FKM Tightening torque 0.4 Nm (M8), 0.6 Nm (M12) Width across flats 9 (M8), 13 (M12) Cable 0.6 m, 4-wire, PUR, halogen-free Jacket material PUR, halogen-free Jacket color Black Cable dlameter 4.5 mm Conductor cross section 0.25 mm² Shelding Unshielded Bending radius Flexible use Stationary position Paragchain operation Paragchain Paragchain Paragchain Paragchain Paragchain Paragchain Parag	Connection type head A		Female connector, M8, 4-pin, straight, A-coded
Connector material TPU Connector color Black Locking nut material Zinc die-cast, nickel-plated Seal material FKM Tightening torque 0.4 Nm (MB), 0.6 Nm (M12) Width across flats 9 (M8), 13 (M12) Cable 0.6 m, 4-wire, PUR, halogen-free Jacket material PUR, halogen-free Jacket color Black Cable diameter 4.5 mm Conductor cross section 0.25 mm² Shielding Unshielded Bending radius Flexible use Stationary position Parg chain operation Parg chain operation Parg chain operation Parg chain operation Stationary position Parg chain operation Stationary position Parg chain operation Parg chain operation Stationary Park Park Park Park Park Park Park Park	Connection type head B		Male connector, M12, 4-pin, straight, A-coded
Connector color Locking nut material Seal material FKM Tightening torque Width across flats 9 (M8), 13 (M12) Cable Jacket material PUR, halogen-free Jacket color Black Cable diameter Conductor cross section Shielding Bending radius Flexible use Stationary position Drag chain operation Drag chain operation Bending voltage, cable Test voltage, cable Reference voltage Fated impulse voltage Current loading Black Zinc die-cast, nickel-plated FKM A Alinc die-cast, nickel-plated FKM A Alinc die-cast, nickel-plated Zinc die-cast, nickel-plated A Zinc die-cast, nickel-plated A Zinc die-cast, nickel-plated A FKM A A A A A A Black A A A A Black A A A A A Black A A A A A A A Black A A A A A A A A A A A A A	Locking plug connector		Screw connection
Docking nut material	Connector material		TPU
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Tightening torque 0.4 Nm (M8), 0.6 Nm (M12) Width across flats 9 (M8), 13 (M12) Cable 0.6 m, 4-wire, PUR, halogen-free Jacket material PUR, halogen-free Black PUR, halogen-free Cable diameter 4.5 mm Conductor cross section 0.25 mm² Shielding Unshielded Bending radius > 10 x cable diameter Stationary position Drag chain operation > 5 x cable diameter > 10 x cable diameter > 10 x cable diameter > 10 x cable diameter > 10 x cable diameter Stationary position Drag chain operation > 10 x cable diameter So v acble diameter > 10 x cable diameter So v Ac Cable diameter > 10 x cable diameter So v AC 50 v AC 60 v DC Current loading 4 A	Locking nut material		Zinc die-cast, nickel-plated
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Cable Jacket material Jacket color Cable diameter Conductor cross section Shielding Bending radius Flexible use Stationary position Drag chain operation Drag chain operation Bending votes Nominal voltage, cable Reference voltage Fated impulse voltage Cable diameter 9.10 x cable diameter > 10 x cable diamet	Tightening torque		0.4 Nm (M8), 0.6 Nm (M12)
Jacket color Black Cable diameter 4.5 mm Conductor cross section O.25 mm² Shielding Bending radius Flexible use Stationary position Drag chain operation Drag chain operation Section Solv AC Reference voltage Flexible as 2.50 V AC Rated impulse voltage Current loading PUR, halogen-free Black 4.5 mm O.25 mm² Unshielded 9.10 x cable diameter > 5 x cable diameter > 10 x ca	Width across flats		9 (M8), 13 (M12)
Jacket color Cable diameter 4.5 mm O.25 mm² Unshielded Bending radius Flexible use Stationary position Drag chain operation Drag chain operation Bending cycles Nominal voltage, cable Test voltage, cable Reference voltage 50 V AC 60 V DC Rated impulse voltage Current loading 4.5 mm 4.5 mm	Cable		0.6 m, 4-wire, PUR, halogen-free
Cable diameter Conductor cross section Shielding Bending radius Flexible use Stationary position Drag chain operation Drag chain operation Pest voltage, cable Reference voltage So V AC 60 V DC Rated impulse voltage Current loading 4.5 mm 0.25 mm² Unshielded 10,025 mm² > 10 x cable diameter > 5 x cable diameter > 10 x cable diameter	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 Flexible use > 10 x cable diameter > 5 x cable diameter > 10,000,000 Nominal voltage, cable 50 V AC 60 V DC Rated impulse voltage Current loading 0.25 mm² Unshielded 10 x cable diameter > 5 x cable diameter > 10 x cable diameter < 10 x cab	Jacket color		Black
Shielding Bending radius Flexible use Stationary position Drag chain operation Drag chain operation Sending cycles Nominal voltage, cable Test voltage, cable Reference voltage 50 V AC 60 V DC Rated impulse voltage Current loading Unshielded > 10 x cable diameter > 5 x cable diameter > 10 x cable diameter	Cable diameter		4.5 mm
Flexible use Stationary position Drag chain operation Drag chain operation Drag chain operation Drag chain operation Sending cycles 10,000,000 Sending cycles 10,000,000 Sending cycles 2,500 V AC Selection Service S	Conductor cross section		0.25 mm ²
Flexible use Stationary position Drag chain operation Bending cycles 10,000,000 Nominal voltage, cable Test voltage, cable Reference voltage 50 V AC 60 V DC Rated impulse voltage 1.5 kV Current loading > 10 x cable diameter > 5 x cable diameter > 10,000,000 300 V AC 2,500 V AC 60 V DC 4 A	Shielding		Unshielded
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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 50 V AC 60 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 50 V AC 60 V DC Rated impulse voltage 1.5 kV Current loading 4 A	Di	rag chain operation	> 10 x cable diameter
Test voltage, cable Reference voltage 50 V AC 60 V DC Rated impulse voltage 1.5 kV Current loading 4 A	Bending cycles		10,000,000
Reference voltage 50 V AC 60 V DC Rated impulse voltage 1.5 kV Current loading 4 A	Nominal voltage, cable		300 V AC
50 V AC 60 V DC Rated impulse voltage 1.5 kV Current loading 4 A	Test voltage, cable		2,500 V AC
60 V DC Rated impulse voltage 1.5 kV Current loading 4 A	Reference voltage		
Rated impulse voltage 1.5 kV Current loading 4 A			50 V AC
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	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	ng accessories		
	1 piece, M8 mounting key set for SW9 with calibrated torque 0.4 Nm	TOOL-TWO4M08AF09	5337207
	1 piece, M12 mounting key set for SW13 with calibrated torque 0.6 Nm	TOOL-TW06M12AF13	5337208

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