

YF2A14-020UA3M8U14

Sensor/actuator cable





Ordering information

Туре	Part no.
YF2A14-020UA3M8U14	2096112

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



Detailed technical data

Technical specifications

'	
Connection type head A	Female connector, M12, 4-pin, straight, A-coded
Connection type head B	Male connector, M8, 4-pin, straight, A-coded
Locking plug connector	Screw connection
Connector material	TPU
Connector color	Black
Locking nut material	Zinc die-cast, nickel-plated (female connector), Nickel-plated brass (male connector)
Seal material	FKM
Tightening torque	0.4 Nm (M8), 0.6 Nm (M12)
Width across flats	9 (M8), 13 (M12)
Cable	1 m, 4-wire, PUR, halogen-free
Jacket material	PUR, halogen-free
Jacket color	Black
Cable diameter	4.5 mm
Conductor cross section	0.25 mm ²
Shielding	Unshielded
Bending radius	
Flexible use	> 10 x cable diameter
Stationary position	> 5 x cable diameter
Drag chain operation	> 10 x cable diameter
Bending cycles	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
Traversing speed	3 m/s
Travelling distance	10 m
Acceleration	≤ 10 m/s²

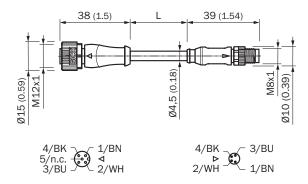
Signal type	Sensor/actuator cable	
Torsion force	180°/1m	
Torsion cycles	2,000,000	
Cycles per minutes	35	
Application	Uncontaminated zones Zones with oils and lubricants Robot Drag chain operation	
Authorizations	UL	
UL File No.	E335179	
Enclosure rating	IP65 / IP66K / IP67	
Operating temperature		
Flexible use	-25 °C +80 °C	
Stationary position		
Drag chain operation		
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

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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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We have extensive experience in a wide range of industries and understand their processes and requirements. With intelligent sensors, we can deliver exactly what our customers need. In application centers in Europe, Asia and North America, system solutions are tested and optimized in accordance with customer specifications. All this makes us a reliable supplier and development partner.

Comprehensive services complete our offering: SICK LifeTime Services provide support throughout the machine life cycle and ensure safety and productivity.

For us, that is "Sensor Intelligence."

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