

YF8U24-040UB4M8U24

Sensor/actuator cable



YF8U24-040UB4M8U24 | Sensor/actuator cable



Illustration may differ

Ordering information

Туре	Part no.
YF8U24-040UB4M8U24	2127613

Other models and accessories -> www.sick.com/Sensor_actuator_cable



Detailed technical data

Technical specifications

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Connection type head A	Female connector, M8, 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
Width across flats	9
Cable	4 m, 4-wire, PUR, halogen-free
Jacket material	PUR, halogen-free
Jacket color	Black
Cable diameter	5.3 mm
Conductor cross section	0.34 mm ²
Shielding	Shielded
Bending radius	
Flexible use	> 10 x cable diameter
Stationary position	> 5 x cable diameter
Drag chain operation	> 10 x cable diameter
Bending cycles	5,000,000
Nominal voltage, cable	300 V AC
Test voltage, cable	2,000 V AC
Reference voltage	
	50 V AC
	60 V DC
Rated impulse voltage	0.8 kV
Current loading	≤ 4 A
Traversing speed	3.3 m/s
Travelling distance	5 m
Acceleration	≤ 5 m/s²

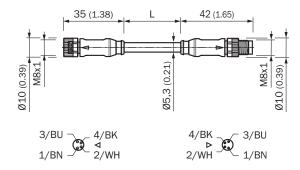
Torsion force 30 ° / 1 m 2,000,000		
Torsion cycles Cycles per minutes Application Authorizations UL E335179 Enclosure rating Operating temperature Flexible use Stationary position Drag chain operation Drag chain operation Flexible use Stationary as side of the decidence of the deciden	Signal type	Sensor/actuator cable
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 Stationary position Drag chain operation Head -25 °C +80 °C Authorizations -25 °C +80 °C Stationary position Prag chain operation Head -25 °C +80 °C Contamination rating 3 Insulation resistance 100 MΩ Overvoltage category III Specific insulation resistance 30 mΩ	Torsion force	30°/1m
Application Uncontaminated zones Zones with oils and lubricants Robot Drag chain operation UL Enclosure rating Operating temperature Flexible use Stationary position Drag chain operation Drag chain operation Head Contamination rating Insulation resistance Overvoltage category Specific insulation resistance Uncontaminated zones Zones with oils and lubricants Robot Drag chain operation UL E335179 IP65 / IP66K / IP67 OP67 Common Proposition -25 °C +80 °C -25 °C +80 °C -25 °C +80 °C -25 °C +85 °C III 30 mΩ	Torsion cycles	2,000,000
Zones with oils and lubricants Robot Drag chain operation UL UL File No. E335179 Enclosure rating Operating temperature Flexible use Stationary position Drag chain operation Head Contamination rating Insulation resistance Overvoltage category Specific insulation resistance Zones with oils and lubricants Robot Drag chain operation UL E335179 IP65 / IP66K / IP67 P67 P67 P67 P67 P67 P67 P67	Cycles per minutes	35
Enclosure rating IP65 / IP66K / IP67	Application	Zones with oils and lubricants Robot
Enclosure rating IP65 / IP66K / IP67 Operating temperature Flexible use	Authorizations	UL
Operating temperature Flexible use -25 °C +80 °C Stationary position -40 °C +80 °C Drag chain operation -25 °C +80 °C -25 °C +85 °C Contamination rating Insulation resistance 100 MΩ Overvoltage category III Specific insulation resistance 30 mΩ	UL File No.	E335179
Flexible use Stationary position Drag chain operation $-25 ^{\circ}\text{C} \dots + 80 ^{\circ}\text{C}$ $-40 ^{\circ}\text{C} \dots + 80 ^{\circ}\text{C}$ $-25 ^{\circ}\text{C} \dots + 80 ^{\circ}\text{C}$ $-25 ^{\circ}\text{C} \dots + 85 ^{\circ}\text{C}$ $-25 ^{\circ}\text{C} \dots + 85 ^{\circ}\text{C}$ Contamination rating $-25 ^{\circ}\text{C} \dots + 85 ^{\circ}\text{C}$ $-25 ^{\circ}\text{C} \dots + 85 ^{\circ}\text{C}$ Insulation resistance $-25 ^{\circ}\text{C} \dots + 85 ^{\circ}\text{C}$ Overvoltage category III Specific insulation resistance $-25 ^{\circ}\text{C} \dots + 80 ^{\circ}\text{C}$ $-25 ^{\circ}\text{C} \dots + 85 ^{\circ}\text{C}$	Enclosure rating	IP65 / IP66K / IP67
Stationary position Drag chain operation Head -25 °C +80 °C -25 °C +85 °C Contamination rating 3 Insulation resistance 100 MΩ Overvoltage category III Specific insulation resistance 30 mΩ	Operating temperature	
Drag chain operation Head -25 °C +80 °C -25 °C +85 °C Contamination rating 3 Insulation resistance 100 MΩ Overvoltage category III Specific insulation resistance 30 mΩ	Flexible use	-25 °C +80 °C
Head $-25 ^{\circ}\text{C} \dots + 85 ^{\circ}\text{C}$ Contamination rating 3 Insulation resistance $100 \text{M}\Omega$ Overvoltage category III Specific insulation resistance $30 \text{m}\Omega$	Stationary position	-40 °C +80 °C
Contamination rating 3 Insulation resistance 100 MΩ Overvoltage category III Specific insulation resistance 30 mΩ	Drag chain operation	-25 °C +80 °C
Insulation resistance $100 \ M\Omega$ Overvoltage category III Specific insulation resistance $30 \ m\Omega$	Head	-25 °C +85 °C
Overvoltage category III Specific insulation resistance 30 mΩ	Contamination rating	3
Specific insulation resistance $30 \text{ m}\Omega$	Insulation resistance	100 ΜΩ
•	Overvoltage category	III
Thermal reciptance pining Flame retardant according to III 1581 Section 1000 (H) CSA FT2 / IEC 60322.2.2	Specific insulation resistance	30 mΩ
Trialle resistance, piping	Thermal resistance, piping	Flame retardant according to UL 1581 Section 1090 (H), CSA FT2 / 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))



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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.

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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