

YM2A24-050UB4XLEAX

Sensor/actuator cable



YM2A24-050UB4XLEAX | Sensor/actuator cable



Ordering information

Туре	Part no.
YM2A24-050UB4XLEAX	2114709

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Detailed technical data

Technical specifications

Width across flats 13 Cable 5 m, 4-wire, PUR, halogen-free Jacket material PUR, halogen-free Jacket color Black Cable diameter 5.3 mm Conductor cross section 0.34 mm² Shielding Unshielded Bending radius > 10 x cable diameter Flexible use Stationary position > 5 x cable diameter Drag chain operation > 10 x cable diameter Drag chain operation > 10 x cable diameter Nominal voltage, cable 10,000,000 Reference voltage 2,000 V AC Reference voltage 48 V AC 60 V DC Rated impulse voltage 2,5 kV Current loading 4 A Tiversing speed 3 m/s		
Locking plug connector Screw connection Connector material TPU Connector color Black Locking nut material Zinc die cast, nickel-plated Tightening torque 0.6 Nm Width across flats 13 Cable 5 m, 4-wire, PUR, halogen-free Jacket material PUR, halogen-free Jacket color Black Cable diameter 5.3 mm Conductor cross section 0.34 mm² Shielding Unshielded Bending radius Flexible use > 10 x cable diameter Stationary position prag chain operation > 10 x cable diameter > 5 x cable diameter > 5 x cable diameter Place you capte 10,000,000 Nominal voltage, cable 300 V AC Test voltage, cable 48 V AC Geory DC Rated impulse voltage 48 V AC Current loading ≤ 4 A Traversing speed 3 m/s	Connection type head A	Male connector, M12, 4-pin, straight, A-coded
Connector color Black Locking nut material Zinc die-cast, nickel-plated Tightening torque 0.6 Nm Width across flats 13 Cable 5 m, 4-wire, PUR, halogen-free Jacket material PUR, halogen-free Jacket color Black Cable diameter 5.3 mm Conductor cross section 0.34 mm² Shielding Unshielded Bending radius Flexible use Stationary position Paraginion poration > 10 x cable diameter Stationary position Parage in operation > 5 x cable diameter Sound vac 300 v Ac Reference voltage 48 V AC Geov DC 48 V AC Gov DC 48 V AC Current loading 4 A Treversing speed 4 A	Connection type head B	Flying leads
Connector color Black Locking nut material Zinc die-cast, nickel-plated Tightening torque 0.6 Nm Width across flats 13 Cable 5 m, 4-wire, PUR, halogen-free Jacket material PUR, halogen-free Jacket color Black Cable diameter 5.3 mm Conductor cross section 0.34 mm² Shelding Unshielded Bending radius Flexible use Stationary position Drag chain operation > 1.0 x cable diameter Stationary position Drag chain operation > 1.0 x cable diameter Bending cycles 1.0,000,000 Nominal voltage, cable 3.00 V AC Test voltage, cable 2,000 V AC Reference voltage 48 V AC 60 V DC Rated impulse voltage 2.5 kV Current loading 4 A Traversing speed 3 m/s	Locking plug connector	Screw connection
Locking nut material Zinc die-cast, nickel-plated Tightening torque 0.6 Nm Width across flats 13 Cable 5 m, 4-wire, PUR, halogen-free Jacket material PUR, halogen-free Jacket color Black Cable diameter 5.3 mm Conductor cross section 0.34 mm² Shielding Unshielded Bending radius > 10 x cable diameter Flexible use > 10 x cable diameter Stationary position > 5 x cable diameter Drag chain operation > 10 x cable diameter Nominal voltage, cable 300 V AC Test voltage, cable 48 V AC 60 V DC Rated impulse voltage 2.5 kV Current loading \$ 4 A Traversing speed 3 m/s	Connector material	TPU
Tightening torque 0.6 Nm Width across flats 13 Cable 5 m, 4-wire, PUR, halogen-free Jacket material PUR, halogen-free Jacket color Black Cable diameter 5.3 mm Conductor cross section 0.34 mm² Shielding Unshielded Bending radius > 10 x cable diameter Flexible use Stationary position > 5 x cable diameter Drag chain operation > 10 x cable diameter Nominal voltage, cable 10,000,000 Reference voltage 2,000 V AC Reference voltage 48 V AC 60 V DC 60 V DC Rated impulse voltage 2,5 kV Current loading 4 A Tiversing speed 3 m/s	Connector color	Black
Width across flats 13 Cable 5 m, 4-wire, PUR, halogen-free Jacket material PUR, halogen-free Jacket color Black Cable diameter 5.3 mm Conductor cross section 0.34 mm² Shielding Unshielded Bending radius > 10 x cable diameter Flexible use Stationary position Drag chain operation > 5 x cable diameter > 10 x cable diameter > 10 x cable diameter Nominal voltage, cable 10,000,000 Reference voltage 48 V AC 60 V DC Rated impulse voltage 2,5 kV Current loading ≤ 4 A Traversing speed 3 m/s	Locking nut material	Zinc die-cast, nickel-plated
Cable 5 m, 4-wire, PUR, halogen-free Jacket material PUR, halogen-free Jacket color Black Cable diameter 5.3 mm Conductor cross section 0.34 mm² Shielding Unshielded Bending radius Flexible use Stationary position Drag chain operation 5 x cable diameter Stationary position Drag chain operation Drag chain operation Drag chain operation 10,000,000 Nominal voltage, cable 300 V AC Test voltage, cable 2,000 V AC Reference voltage 48 V AC 60 V DC Rated impulse voltage 2.5 kV Current loading ≤ 4 A Tiversing speed 3 m/s	Tightening torque	0.6 Nm
Jacket material PUR, halogen-free Jacket color Black Cable diameter 5.3 mm Conductor cross section 0.34 mm² Shielding Unshielded Bending radius Flexible use Stationary position Drag chain operation > 10 x cable diameter Drag chain operation > 5 x cable diameter Drag chain operation > 10 x cable diameter Nominal voltage, cable 10,000,000 Reference voltage 48 V AC 60 V DC Rated impulse voltage 4 8 V AC Current loading ≤ 4 A Taversing speed 3 m/s	Width across flats	13
Jacket color Black Cable diameter 5.3 mm Conductor cross section 0.34 mm² Shielding Unshielded Bending radius Flexible use Stationary position Drag chain operation Stationary position Drag chain operation Stationary position Drag chain operation Stationary position Stationary position Drag chain operation Stationary position Stationary position Drag chain operation Stationary position	Cable	5 m, 4-wire, PUR, halogen-free
Cable diameter Conductor cross section Shielding Bending radius Flexible use Stationary position Drag chain operation Drag chain operation Stationary column Stationary column Drag chain operation Dr	Jacket material	PUR, halogen-free
Conductor cross section 0.34 mm² Shielding Unshielded Bending radius Flexible use Stationary position Drag chain operation > 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 2,000 V AC Reference voltage 48 V AC 60 V DC Rated impulse voltage 2.5 kV Current loading ≤ 4 A Traversing speed 3 m/s	Jacket color	Black
Shielding Bending radius Flexible use Stationary position Drag chain operation Drag chain operation Stationary Position Drag chain operation Drag chain	Cable diameter	5.3 mm
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 2,000 V AC Reference voltage 48 V AC 60 V DC Rated impulse voltage 2.5 kV Current loading ≤ 4 A Traversing speed 3 m/s	Conductor cross section	0.34 mm ²
Flexible use Stationary position Drag chain operation Drag chain operation Bending cycles 10,000,000 Nominal voltage, cable 2,000 V AC Test voltage, cable 48 V AC 60 V DC Rated impulse voltage Current loading Traversing speed > 10 x cable diameter > 5 x cable diameter > 10,000,000 AC 2,000 V AC 2,000 V AC 48 V AC 60 V DC 3 m/s	Shielding	Unshielded
Stationary position Drag chain operation Position Drag chain operation	Bending radius	
Drag chain operation > 10 x cable diameter 10,000,000 Nominal voltage, cable 2,000 ∨ AC Test voltage, cable 2,000 ∨ AC Reference voltage 48 ∨ AC 60 ∨ DC Rated impulse voltage 2.5 kV Current loading 5 a M/s Traversing speed 3 m/s	Flexible use	> 10 x cable diameter
Bending cycles 10,000,000 Nominal voltage, cable 300 V AC Test voltage, cable 2,000 V AC Reference voltage 48 V AC 60 V DC 60 V DC Rated impulse voltage 2.5 kV Current loading ≤ 4 A Traversing speed 3 m/s	Stationary position	> 5 x cable diameter
Nominal voltage, cable Test voltage, cable Reference voltage 48 V AC 60 V DC Rated impulse voltage 2.5 kV Current loading 5 4 A Traversing speed 300 V AC	Drag chain operation	> 10 x cable diameter
Test voltage, cable Reference voltage 48 V AC 60 V DC Rated impulse voltage 2.5 kV Current loading 5 4 A Traversing speed 2,000 V AC	Bending cycles	10,000,000
Reference voltage 48 V AC 60 V DC Rated impulse voltage 2.5 kV Current loading 5 4 A Traversing speed 3 m/s	Nominal voltage, cable	300 V AC
48 V AC 60 V DC Rated impulse voltage 2.5 kV Current loading ≤ 4 A Traversing speed 3 m/s	Test voltage, cable	2,000 V AC
60 V DC Rated impulse voltage 2.5 kV Current loading ≤ 4 A Traversing speed 3 m/s	Reference voltage	
Rated impulse voltage 2.5 kV Current loading ≤ 4 A Traversing speed 3 m/s		48 V AC
Current loading ≤ 4 A Traversing speed 3 m/s		
Traversing speed 3 m/s		
Travelling distance 10 m		
	Travelling distance	10 m

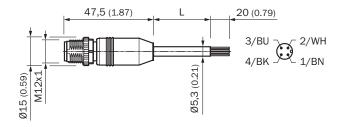
Acceleration	≤ 10 m/s²
Signal type	Sensor/actuator cable
Torsion force	180°/1 m
Torsion cycles	2,000,000
Cycles per minutes	35
Application	Uncontaminated zones Zones with oils and lubricants Robot Drag chain operation
Authorizations	CE UL
Enclosure rating	IP65 / IP66K / IP67
Operating temperature	
Flexible 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 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))



SICK AT A GLANCE

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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