

YF2A25-200UB6XLEAX

Sensor/actuator cable

PLUG CONNECTORS AND CABLES



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Ordering information

Туре	Part no.
YF2A25-200UB6XLEAX	2095738

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



Detailed technical data

Technical specifications

Accessory samp Plag connectors and cables Accessory family Connection type head A Connection type head A File accessory family, Acceded Connection type head A File accessor family, Acceded Connection type head B File accessor family, Acceded Connection type head B File accessor family, Acceded Connection type head B File accessor family, Acceded Connector accessor family File accessor family, Acceded Condector accessor family File accessor family, Acceded Condector accessor family File accessor family, Accessor			
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Tghtening torque0.6 NmWith across flats13Cable0 m, S-wire, PUR, halogen-freeCable0 m, S-wire, PUR, halogen-freeJacket noterial0 RMJacket colorBickCable diameter0.34 mm ² Conductor cross section0.34 mm ² SheldingPoiseFlexible> 10 xcable diameterStationary poise> 10 xcable diameterTorage flexible> 500,000Rending voltage, cable300 vACReference voltageGov ACReference voltageGov ACConstantGov ACConstant <th< th=""><th>Locking nut material</th><th></th><th>Zinc die-cast, nickel-plated</th></th<>	Locking nut material		Zinc die-cast, nickel-plated
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Jacket color Bick Cable diameter 5.6 m. Conductor cross section 0.34 m. ² Shielding bieldedameter Shielding bieldedameter Flexiblese 10x cable diameter Stationary position 5 x cable diameter Drag chain operation 10x cable diameter Nominal voltage, cable 500,000 Test voltage, cable 300 VAC Reference voltage 600 VAC Gold VAC 600 VAC	Cable		20 m, 5-wire, PUR, halogen-free
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Bending cycles5,000,000Nominal voltage, cable300 V ACTest voltage, cable2,000 V ACReference voltage600 V ACOutput600 V ACOutput		Stationary position	> 5 x cable diameter
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Reference voltage 60 V AC 60 V DC	Nominal voltage, cable		300 V AC
60 V AC 60 V DC	Test voltage, cable		2,000 V AC
60 V DC	Reference voltage		
			60 V AC
Rated impulse voltage 1.5 kV			60 V DC
	Rated impulse voltage		1.5 kV

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- ·· ·	
Current loading	4 A
Traversing speed	3.3 m/s
Travelling distance	5 m
Acceleration	$\leq 5 \text{ m/s}^2$
Signal type	Sensor/actuator cable
Torsion force	30°/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 Section 1090 (H), CSA FT2 / IEC 60332-2-2

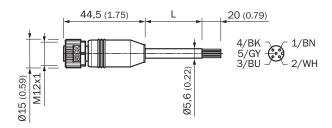
Classifications

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))



Recommended accessories

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	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				
Plug connectors and cables							
	 Connection type head A: Female connector, M12, 5-pin, straight Description: Unshielded, Head A: female connector, M12, 5-pin, straight, unshielded, for cable diameter 4 mm 6 mm Head B: - Connection systems: Screw-type terminals Permitted cross-section: ≤ 0.75 mm² 	DOS-1205-G	6009719				
	 Connection type head A: Male connector, M12, 5-pin, straight Description: Unshielded, Head A: male connector, M12, 5-pin, straight, unshielded, for cable diameter 4 mm 6 mm Head B: - Connection systems: Screw-type terminals Permitted cross-section: ≤ 0.75 mm² Note: For field bus technology 	STE-1205-G	6022083				

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."

WORLDWIDE PRESENCE:

Contacts and other locations -www.sick.com



Online data sheet

