Product data sheet

YF2A25-200UB6XLEAX

Sensor/actuator cable

PLUG CONNECTORS AND CABLES

SICK
Sensor Intelligence.

Ordering information

Type	Part no.
YF2A25-200UB6XLEAX	2095738

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

Detailed technical data

Technical specifications

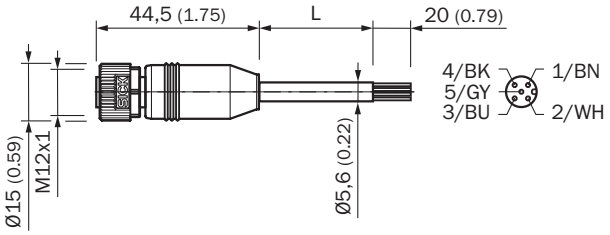
Connection type head A	Female connector, M12, 5-pin, straight, A-coded
Connection type head B	Flying leads
Locking plug connector	Screw connection
Connector material	TPU
Connector color	Black
Locking nut material	Zinc die-cast, nickel-plated
Seal material	FKM
Tightening torque	0.6 Nm
Width across flats	13
Cable	20 m, 5-wire, PUR, halogen-free
Jacket material	PUR, halogen-free
Jacket color	Black
Cable diameter	5.6 mm
Conductor cross section	0.34 mm²
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	
	60 V AC
	60 V DC
Rated impulse voltage	1.5 kV
Current loading	4 A
Traversing speed	3.3 m/s

Travelling distance	5 m
Acceleration	≤ 5 m/s²
Signal type	Sensor/actuator cable
Torsion force	30° / 1 m
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
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 MΩ
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

Dimensional drawing (Dimensions in mm (inch))



Recommended accessories

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

	Brief description	Type	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."

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