



YG2A15-020UB5XLEAX

Sensor/actuator cable

CONNECTORS AND CABLES

SICK
Sensor Intelligence.



Ordering information

Type	part no.
YG2A15-020UB5XLEAX	2095772

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



Detailed technical data

Technical specifications

Connection type head A	Female connector, M12, 5-pin, angled, 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	2 m, 5-wire, PUR, halogen-free
Jacket material	PUR, halogen-free
Jacket color	Black
Cable diameter	4.8 mm
Conductor cross section	0.34 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	
	125 V AC
	125 V DC
Rated impulse voltage	1.5 kV
Current loading	≤ 4 A
Traversing speed	3 m/s

Travelling distance	10 m
Acceleration	≤ 10 m/s ²
Signal type	Sensor/actuator cable
Torsion force	180° / 1 m
Torsion cycles	2,000,000
Cycles per minutes	35
Application	Uncontaminated zonesZones with oils and lubricantsRobotDrag chain operation
Authorizations	CEUL
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, horizontal flame test/CSA FT2 / IEC 60332-1, IEC 60332-2-2

Certificates

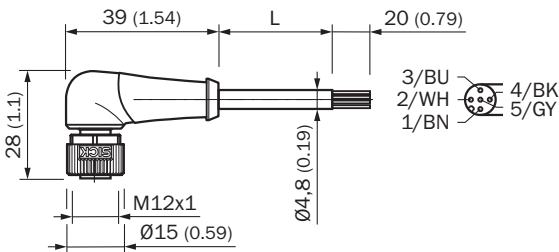
EU declaration of conformity	✓
UK declaration of conformity	✓
Moroccan declaration of conformity	✓
China-RoHS	✓
cULus certificate	✓

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.
connectors and cables			
	• Connection type head A: Male connector, M12, 5-pin, straight, A-coded • 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
	• Connection type head A: Female connector, M12, 5-pin, straight, A-coded • 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
Mounting systems			
	• Description: M12 mounting key set for SW13 with calibrated torque 0.6 Nm • Packing unit: 1 piece • Suitable for: M12 Standard	TOOL-TW06M12AF13	5337208

