

# YG2A14-050VB3XLEAX

Sensor/actuator cable





### Ordering information

Туре	Part no.
YG2A14-050VB3XLEAX	2095897

Other models and accessories → www.sick.com/Sensor\_actuator\_cable



#### Detailed technical data

#### **Technical specifications**

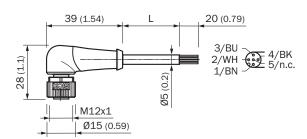
Connection type head A     Female connector, M12, 4-pin, angled, A-coded       Connection type head B     Flying leads       Locking plug connector     Screw connection       Connector material     TPU       Connector color     Black       Locking nut material     Zinc die cast, nickel-plated       Seal material     FKM       Tightening torque     0.6 Nm       Width across flats     13       Cable     5 m, 4-wire, PVC       Jacket color     Gray       Cable diameter     5 mm       Conductor cross section     0.34 mm²       Shielding     Unshielded       Bending radius     Flexible use Stationary position     > 5 x cable diameter       Nominal voltage, cable     300 V AC       Test voltage, cable     2,000 V AC       Reference voltage     250 V AC       250 V DC       Rated impulse voltage     2.5 kV       Current loading     4 A       Signal type     Sensor/actuator cable       Authorizations     CE		
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         5 m, 4-wire, PVC           Jacket material         PVC           Jacket color         Gray           Cable diameter         5 mm           Conductor cross section         0.34 mm²           Shielding         Unshielded           Bending radius         > 10 x cable diameter           Stationary position         > 5 x cable diameter           Nominal voltage, cable         300 V AC           Test voltage, cable         2,000 V AC           Reference voltage         250 V AC           250 V DC           Rated impulse voltage         2.5 kV           Current loading         4 A           Signal type         Sensor/actuator cable           Application         Zones with chemicals Uncontaminated zones	Connection type head A	Female connector, M12, 4-pin, angled, A-coded
Connector material Connector color Black Locking nut material Seal material FKM Tightening torque 0.6 Nm Width across flats 13 Cable 5 m, 4-wire, PVC  Jacket material PVC Jacket color Gray Cable diameter 5 mm Conductor cross section 0.34 mm² Shielding Unshielded  Bending radius Flexible use Stationary position Nominal voltage, cable Test voltage, cable 250 V AC 250 V DC Rated impulse voltage 2.5 kV Current loading 4 A Signal type Application Zincket color Slacket color Gray Cable diameter 5 mm Conductor cross section 0.34 mm² 5 me 250 V AC 250 V DC Rated impulse voltage 2.5 kV Current loading Zones with chemicals Uncontaminated zones	Connection type head B	Flying leads
Connector color Locking nut material Seal material FKM Tightening torque 0.6 Nm Width across flats 13 Cable 5 m, 4-wire, PVC Jacket material PVC Gable diameter 5 mm Conductor cross section Shielding Bending radius Flexible use Stationary position Nominal voltage, cable Test voltage, cable Reference voltage  Rated impulse voltage Current loading Application  Seal material FKM Ide color Cable Jacket material PVC Gray Sam Filexible use Stationary position Stationary position Application  Sensor/actuator cable Application  Zones with chemicals Uncontaminated zones	Locking plug connector	Screw connection
Locking nut material  Seal material  FKM  Tightening torque  0.6 Nm  Width across flats  13  Cable  5 m, 4-wire, PVC  Jacket material  PVC  Jacket color  Gray  Cable diameter  Conductor cross section  Shielding  Bending radius  Flexible use Stationary position  Nominal voltage, cable  Test voltage, cable  250 V AC 250 V DC  Rated impulse voltage  Current loading  Application  Zinc die-cast, nickel-plated  FKM  13  Cham  FKM  13  13  13  13  13  13  13  13  13  1	Connector material	TPU
Seal material FKM  Tightening torque 0.6 Nm  Width across flats 13  Cable 5 m, 4-wire, PVC  Jacket material PVC  Jacket color Gray  Cable diameter 5 mm  Conductor cross section 0.34 mm²  Shielding Bending radius  Flexible use Stationary position Nominal voltage, cable Test voltage, cable 250 V AC 250 V DC  Rated impulse voltage 2.5 kV  Current loading 4 A  Signal type Application  FKM  0.6 Nm  0.6 Nm  13  30  4. Nm  4. Nm  5 m, 4-wire, PVC  5 m, 4-wire, PVC  4 m, 4-wire, PVC  5 m, 4-wire, PVC  4 nm  5 m, 4-wire, PVC  5 m, 4-wire, PVC  4 nm  5 m, 4-wire, PVC  5 m, 4-wire, PVC  6 nm  6 nm  6 nm  7 m, 4-wire, PVC  6 nm  7 m, 4-wire, PVC  6 nm  7 m, 4-wire, PVC  9 m, 4-wire	Connector color	Black
Tightening torque         0.6 Nm           Width across flats         13           Cable         5 m, 4-wire, PVC           Jacket material         PVC           Jacket color         Gray           Cable diameter         5 mm           Conductor cross section         0.34 mm²           Shielding         Unshielded           Bending radius         Flexible use Stationary position           Nominal voltage, cable         300 V AC           Test voltage, cable         2,000 V AC           Reference voltage         250 V AC           250 V DC         250 V DC           Rated impulse voltage         2.5 kV           Current loading         4 A           Signal type         Sensor/actuator cable           Application         Zones with chemicals Uncontaminated zones	Locking nut material	Zinc die-cast, nickel-plated
Width across flats  Cable 5 m, 4-wire, PVC  Jacket material PVC  Gray  Cable diameter 5 mm  Conductor cross section 0.34 mm²  Shielding Unshielded  Bending radius  Flexible use Stationary position > 5 x cable diameter  Nominal voltage, cable 300 V AC  Test voltage, cable 2,000 V AC  Reference voltage  250 V AC 250 V DC  Rated impulse voltage 2.5 kV  Current loading 4 A  Signal type Sensor/actuator cable  Application 5 m, 4-wire, PVC  Gray  10 m, 4-wire, PVC  9 m, 4-wire, PVC	Seal material	FKM
Cable 5 m, 4-wire, PVC  Jacket material PVC  Jacket color Gray  Cable diameter 5 mm  Conductor cross section 0.34 mm²  Shielding Unshielded  Bending radius  Flexible use Stationary position Stationary position Nominal voltage, cable 2,000 V AC  Test voltage, cable 2,000 V AC  Reference voltage 250 V AC 250 V DC  Rated impulse voltage 2.5 kV  Current loading 4 A  Signal type Sensor/actuator cable Uncontaminated zones	Tightening torque	0.6 Nm
Jacket material PVC  Jacket color Gray  Cable diameter 5 mm  Conductor cross section 0.34 mm²  Shielding Unshielded  Flexible use Stationary position Nominal voltage, cable 300 V AC  Test voltage, cable 2,000 V AC  Reference voltage 250 V AC 250 V DC  Rated impulse voltage 2.5 kV  Current loading 4 A  Signal type Sensor/actuator cable  Application 5 mm  Gray  Gray  Gray  Gray  Gray  Gray  10 x cable diameter  > 5 x cable diameter  > 6 x x cable diameter  > 5 x x cable diameter  > 5 x cable diameter  >	Width across flats	13
Jacket color Cable diameter 5 mm  Conductor cross section O.34 mm² Shielding Bending radius Flexible use Stationary position Nominal voltage, cable Test voltage, cable Reference voltage 250 V AC 250 V DC  Rated impulse voltage Current loading Application  Zones with chemicals Uncontaminated zones	Cable	5 m, 4-wire, PVC
Cable diameter 5 mm  O.34 mm²  Conductor cross section 0.34 mm²  Shielding Unshielded  Bending radius  Flexible use Stationary position > 5 x cable diameter > 5 x cable diameter  Nominal voltage, cable 300 V AC  Test voltage, cable 2,000 V AC  Reference voltage  250 V AC 250 V DC  Rated impulse voltage 2.5 kV  Current loading 4 A  Signal type Sensor/actuator cable  Application  Simulation 5 mm  O.34 mm²  Simulation 5 x cable diameter  Simulation 6 x cable diameter  Simulation 7 x cable diameter  Simulation 8 x cabl	Jacket material	PVC
Conductor cross section  Shielding  Bending radius  Flexible use Stationary position  Nominal voltage, cable  Test voltage, cable  Reference voltage  250 V AC 250 V DC  Rated impulse voltage  Current loading  Signal type  Application  O.34 mm² Unshielded  Unshielded  Vacable diameter  > 10 x cable diameter  > 5 x cable diameter  > 25 x cable diameter  > 250 V AC  2,000 V AC  250 V DC  Rated impulse voltage  2.5 kV  Current loading  Application  O.34 mm²  Vacable diameter  > 4 A  Signal type  Sensor/actuator cable  Zones with chemicals Uncontaminated zones	Jacket color	Gray
Shielding Bending radius  Flexible use	Cable diameter	5 mm
Stationary position	Conductor cross section	0.34 mm <sup>2</sup>
Flexible use Stationary position > 5 x cable diameter   > 5 x cable diameter   > 5 x cable diameter    Nominal voltage, cable	Shielding	Unshielded
Stationary position > 5 x cable diameter  300 V AC  Test voltage, cable 2,000 V AC  Reference voltage 250 V AC  250 V DC  Rated impulse voltage 2.5 kV  Current loading 4 A  Signal type Sensor/actuator cable  Application Zones with chemicals Uncontaminated zones	Bending radius	
Nominal voltage, cable  Test voltage, cable  2,000 V AC  Reference voltage  250 V AC  250 V DC  Rated impulse voltage  2.5 kV  Current loading  4 A  Signal type  Application  300 V AC  2,000 V AC  2,000 V AC  250 V DC	Flexible use	> 10 x cable diameter
Test voltage, cable  Reference voltage  250 V AC  250 V DC  Rated impulse voltage  2.5 kV  Current loading  4 A  Signal type  Application  2,000 V AC  250 V DC	Stationary position	> 5 x cable diameter
Reference voltage  250 V AC  250 V DC  Rated impulse voltage  2.5 kV  Current loading  4 A  Signal type  Sensor/actuator cable  Application  Zones with chemicals Uncontaminated zones	Nominal voltage, cable	300 V AC
250 V AC 250 V DC  Rated impulse voltage 2.5 kV  Current loading 4 A  Signal type Sensor/actuator cable  Application Zones with chemicals Uncontaminated zones	Test voltage, cable	2,000 V AC
250 V DC  Rated impulse voltage 2.5 kV  Current loading 4 A  Signal type Sensor/actuator cable  Application Zones with chemicals Uncontaminated zones	Reference voltage	
Rated impulse voltage  2.5 kV  Current loading  4 A  Signal type  Sensor/actuator cable  Application  Zones with chemicals Uncontaminated zones		250 V AC
Current loading 4 A  Signal type Sensor/actuator cable  Application Zones with chemicals Uncontaminated zones		250 V DC
Signal type  Sensor/actuator cable  Zones with chemicals Uncontaminated zones	Rated impulse voltage	2.5 kV
Application Zones with chemicals Uncontaminated zones	Current loading	4 A
Uncontaminated zones	Signal type	Sensor/actuator cable
<b>Authorizations</b> CE	Application	
	Authorizations	CE

	UL
UL File No.	E335179
Enclosure rating	IP65 / IP66K / IP67
Operating temperature	
Flexible use	-5 °C +80 °C
Stationary position	-30 °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 VW1 / CSA FT1

#### 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))



# YG2A14-050VB3XLEAX | Sensor/actuator cable

#### Recommended accessories

Other models and accessories → www.sick.com/Sensor\_actuator\_cable

	Brief description	Туре	Part no.			
Other mounting	Other mounting accessories					
	1 piece, M12 mounting key set for SW13 with calibrated torque 0.6 Nm	TOOL-TW06M12AF13	5337208			
Others						
	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			

## 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:**

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