

YG2B25-050IB1XLEAX

Industrial Ethernet cables and fieldbus cables

PLUG CONNECTORS AND CABLES



Ordering information

Туре	Part no.
YG2B25-050IB1XLEAX	2109202

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

Detailed technical data

Technical specifications

Accessory family Plug connectors and cables Connection type head A Female connector, M12, 5 pin, angled, B coded Connection type head B Flying leads Locking plug connector Screw connection Connector material TPU Connector color Black Locking nut material Zinc diseast, nickel-plated Tightening torque 0.4 Nm Cable 5 m, 5-wire, PUR Jacket material PUR Jacket color Green Cable diameter 8 mm Conductor cross section 3 x 2 x 0.22 mm² Shielding Shielded Bending radius Flexible use > 15 x cable diameter Drag chain operation > 15 x cable diameter Bending cycles 5,000,000 Reference voltage ≤ 60 V AC/DC Current loading 4 mA Traversing speed 1.6 m/s Travelling distance 10 m Acceleration ≤ 3 m/s² Signal type Interbus Application Poss phain operation	recriffical specifications	
Connection type head A Connector type head B Connector type head B Connector material Connector material Connector color Connector color Contector material Tight must must must must must must must mus	Accessory group	Plug connectors and cables
Connection type head B Locking plug connector Connector material Connector color Locking nut material TipU Connector color Locking nut material Tightening torque O.4 Nm Cable 5 m, 5-wire, PUR Jacket material Jacket color Green Cable diameter 8 mm Conductor cross section 3 x 2 x 0.22 mm² Shielding Bending radius Flexible use Drag chain operation Flexible use \$ 60 V AC/DC Current loading 4 mA Traversing speed 1.6 m/s Travelling distance Application Drag chain operation Inclosure rating Ambient operating temperature Flexible use Stationary position Flexible use Flexible use Stationary position Flexible use Flexible use Stationary position Flexible use Flexible use Stationary position	Accessory family	Connecting cables
Connector material TPU	Connection type head A	Female connector, M12, 5-pin, angled, B-coded
Connector material TPU Black Connector color Black Zinc die-cast, nickel-plated	Connection type head B	Flying leads
Connector color Locking nut material Zinc die-cast, nickel-plated Tightening torque 0.4 Nm Cable 5 m, 5-wire, PUR Jacket material PUR Jacket color Green Cable diameter 8 mm Conductor cross section 3 x 2 x 0.22 mm² Shielding Shielding Shielded Bending radius Flexible use Drag chain operation Bending cycles Reference voltage \$ 60 V AC/DC Current loading Traversing speed 1.6 m/s Travesling distance Acceleration \$ 3 m/s² Signal type Interbus Application Enclosure rating IP65/ IP67 Ambient operating temperature Flexible use -30 °C +70 °C -40 °C +80 °C	Locking plug connector	Screw connection
Locking nut material Zinc die-cast, nickel-plated Tightening torque 0.4 Nm Cable 5 m, 5-wire, PUR Jacket material PUR Jacket color Green Cable diameter 8 mm Conductor cross section 3 x 2 x 0.22 mm² Shielding Shielded Bending radius Flexible use Drag chain operation Bending cycles 5,000,000 Reference voitage ≤ 60 V AC/DC Current loading 4 mA Traversing speed 1.6 m/s Travelling distance 10 m Acceleration ≤ 3 m/s² Signal type Interbus Application Drag chain operation Enclosure rating IP65/ IP67 Ambient operating temperature Flexible use Stationary position -30 °C +70 °C - +80 °C	Connector material	TPU
Tightening torque 0.4 Nm Cable 5 m, 5-wire, PUR Jacket material PUR Jacket color Green Cable diameter 8 mm Conductor cross section 3 x 2 x 0.22 mm² Shielding Shielded Bending radius Flexible use Prescription operation > 15 x cable diameter > 15 x cable diameter > 15 x cable diameter > 5,000,000 \$ 60 V AC/DC Current loading 4 mA Traversing speed 1.6 m/s Travelling distance 10 m Acceleration ≤ 3 m/s² Signal type Interbus Application Drag chain operation Enclosure rating IP65/ IP67 Ambient operating temperature Flexible use Stationary position -30 °C +70 °C -40 °C +80 °C	Connector color	Black
Cable 5 m, 5-wire, PUR Jacket material PUR Jacket color Green Cable diameter 8 mm Conductor cross section 3 x 2 x 0.22 mm² Shielding Shielded Bending radius Flexible use Flexible use > 15 x cable diameter Drag chain operation > 5,000,000 Reference voltage ≤ 60 V AC/DC Current loading 4 mA Traversing speed 1.6 m/s Travelling distance 10 m Acceleration ≤ 3 m/s² Signal type Interbus Application Drag chain operation Enclosure rating IP65/IP67 Ambient operating temperature Flexible use Stationary position -30 °C +70 °C -40 °C +80 °C	Locking nut material	Zinc die-cast, nickel-plated
Jacket material Jacket color Green Cable diameter 8 mm Conductor cross section Shielding Bending radius Flexible use Drag chain operation Bending cycles Reference voitage \$ 60 V AC/DC Current loading Traversing speed Travelling distance Acceleration \$ 3 m/s² Signal type Interbus Application Enclosure rating IP65/ IP67 Amblent operating temperature Flexible use Stationary position Green 8 mm \$ x 2 x 0.22 mm² Shielded 8 mm \$ x 2 x 0.22 mm² Shielded 8 mm \$ 15 x cable diameter \$ 16 m/s \$ 16 m/s \$ 3 m/s² \$ 3 m/	Tightening torque	0.4 Nm
Jacket color Green Cable diameter 8 mm Conductor cross section 3 x 2 x 0.22 mm² Shielding Shielded Bending radius > 15 x cable diameter Drag chain operation > 15 x cable diameter Bending cycles 5,000,000 Reference voltage ≤ 60 V AC/DC Current loading 4 mA Traversing speed 1.6 m/s Travelling distance 10 m Acceleration ≤ 3 m/s² Signal type Interbus Application Drag chain operation Enclosure rating IP65/IP67 Ambient operating temperature -30 °C +70 °C Stationary position -40 °C +80 °C	Cable	5 m, 5-wire, PUR
Cable diameter 8 mm Conductor cross section 3 x 2 x 0.22 mm² Shielding Shielded Bending radius Flexible use Drag chain operation > 15 x cable diameter > 15 x cable diameter Bending cycles 5,000,000 Reference voltage ≤ 60 V AC/DC Current loading 4 mA Traversing speed 1.6 m/s Travelling distance 10 m Acceleration ≤ 3 m/s² Signal type Interbus Application Drag chain operation Enclosure rating IP65/ IP67 Ambient operating temperature Flexible use Stationary position -40 °C +70 °C Stationary position -40 °C +80 °C	Jacket material	PUR
Conductor cross section 3 x 2 x 0.22 mm² Shielding Shielded Bending radius Flexible use > 15 x cable diameter Drag chain operation > 15 x cable diameter Bending cycles 5,000,000 Reference voltage ≤ 60 V AC/DC Current loading 4 mA Traversing speed 1.6 m/s Travelling distance 10 m Acceleration ≤ 3 m/s² Signal type Interbus Application Drag chain operation Enclosure rating IP65/ IP67 Ambient operating temperature -30 °C +70 °C Stationary position -40 °C +80 °C	Jacket color	Green
Shielding Bending radius Flexible use Drag chain operation Bending cycles Reference voltage \$60 V AC/DC Current loading Traversing speed Travelling distance Acceleration Signal type Application Enclosure rating Flexible use Stationary position Shielded Stationary position Shielded	Cable diameter	8 mm
Bending radius Flexible use Drag chain operation > 15 x cable diameter > 15 x cable di	Conductor cross section	3 x 2 x 0.22 mm ²
Flexible use Drag chain operation Bending cycles Reference voltage \$\leq 60 \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \	Shielding	Shielded
Bending cycles 5,000,000 Reference voltage ≤ 60 V AC/DC Current loading 4 mA Traversing speed 1.6 m/s Travelling distance 10 m Acceleration ≤ 3 m/s² Signal type Interbus Application Drag chain operation Enclosure rating IP65/ IP67 Ambient operating temperature Flexible use Stationary position -40 °C +70 °C -40 °C +80 °C	Bending radius	
Bending cycles Reference voltage ≤ 60 V AC/DC Current loading 4 mA Traversing speed 1.6 m/s Travelling distance 10 m Acceleration ≤ 3 m/s² Signal type Application Enclosure rating Ambient operating temperature Flexible use Stationary position Flexible use Stationary position 5,000,000 A mA Indicator 1.6 m/s 1.7 m/s	Flexible use	> 15 x cable diameter
Reference voltage ≤ 60 V AC/DC Current loading 4 mA Traversing speed 1.6 m/s Travelling distance 10 m Acceleration ≤ 3 m/s² Signal type Interbus Application Drag chain operation Enclosure rating IP65/ IP67 Ambient operating temperature Flexible use -30 °C +70 °C -40 °C +80 °C	Drag chain operation	> 15 x cable diameter
Signal type Application Enclosure rating Ambient operating temperature Flexible use Stationary position ≤ 60 V AC/DC 4 mA 1.6 m/s 1.6 m/s 1.0 m ≤ 3 m/s² Interbus Interbus Interbus Drag chain operation IP65/ IP67 Ambient operating temperature Flexible use Stationary position ≤ 30 °C +70 °C -40 °C +80 °C	Bending cycles	5,000,000
Current loading 4 mA Traversing speed 1.6 m/s Travelling distance 10 m Acceleration ≤ 3 m/s² Signal type Interbus Application Drag chain operation Enclosure rating IP65/ IP67 Ambient operating temperature Flexible use -30 °C +70 °C -40 °C +80 °C	Reference voltage	
Travelling distance 10 m Acceleration Signal type Application Enclosure rating Flexible use Flexible use Stationary position 1.6 m/s 10 m		≤ 60 V AC/DC
Travelling distance 10 m Acceleration ≤ 3 m/s² Signal type Interbus Application Drag chain operation Enclosure rating IP65/ IP67 Ambient operating temperature Flexible use -30 °C +70 °C Stationary position -40 °C +80 °C	Current loading	4 mA
Acceleration ≤ 3 m/s² Signal type Interbus Application Drag chain operation Enclosure rating IP65/ IP67 Ambient operating temperature Flexible use -30 °C +70 °C Stationary position -40 °C +80 °C	Traversing speed	1.6 m/s
Signal type Application Drag chain operation Enclosure rating Ambient operating temperature Flexible use -30 °C +70 °C Stationary position Stationary position Interbus Drag chain operation	Travelling distance	10 m
Application Enclosure rating IP65/ IP67 Ambient operating temperature Flexible use -30 °C +70 °C Stationary position Stationary position Drag chain operation IP65/ IP67	Acceleration	≤ 3 m/s²
Enclosure rating Ambient operating temperature Flexible use -30 °C +70 °C Stationary position -40 °C +80 °C	Signal type	Interbus
Ambient operating temperature Flexible use -30 °C +70 °C Stationary position -40 °C +80 °C	Application	Drag chain operation
Flexible use -30 °C +70 °C Stationary position -40 °C +80 °C	Enclosure rating	IP65/ IP67
Stationary position -40 °C +80 °C	Ambient operating temperature	
Head -25 °C +90 °C	Stationary position	
	Head	-25 °C +90 °C

YG2B25-050IB1XLEAX | Industrial Ethernet cables and fieldbus cables

PLUG CONNECTORS AND CABLES

Contamination rating	3
Insulation resistance	100 ΜΩ
Overvoltage category	II

Classifications

.0	9030312
.1.4 19	9030312
.0 27	7060304
.2 27	7060304
.0 27	7060304
.0 27	7060304
.1 27	7060304
.0 27	7060304
0.0	7060304
1.0 27	7060304
2.0 27	7060304
EC	C000830
EC	C000830
EC	C003249
EC	C003249
6.0901 26	6121604

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

