

## YF2A2B-100UD3XLEA

Sensor/actuator cable

**PLUG CONNECTORS AND CABLES** 



#### YF2A2B-100UD3XLEA | Sensor/actuator cable

PLUG CONNECTORS AND CABLES



Ordering information

Туре	Part no.
YF2A2B-100UD3XLEA	6042736

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

#### Detailed technical data

Technical specifications

Accessory gaupPigeonectory servicesAccessory familyConnection galesConnection type head AFinal connection (12 pc) is straight, AccidedConnection type head AFinal connection (12 pc) is straight, AccidedConnection type head AFinal connection (12 pc) is straight, AccidedConnection type head AFinal connection (12 pc) is straight, AccidedConnection type head AFinal connection (12 pc) is straight, AccidedConnection type head AFinal connection (12 pc) is straight, AccidedConnection type head AFinal connection (12 pc) is straight, AccidedConnection type head AFinal connection (12 pc) is straight, Accided Accident (12 pc) is straight, Acci		
Connection type head AFinal econnector, M12, 12 pin, straight, AcodedConnection type head BFinal ecosConnection typeFinal ecosFinal ecosFinal ecosFinal ecosFinal ecosFinal ecosFinal ecosConnection typeFinal ecosConnection type <th>Accessory group</th> <th>Plug connectors and cables</th>	Accessory group	Plug connectors and cables
Conection type head BFind ReadConection typeFind ReadConection typeFind ReadConection typeFind ReadConection typeRead Read ReadCondent and typeRead Read ReadConection typeRead Read Read ReadConection typeRead Read Read Read ReadConection typeRead Read Read Read Read Read Read Read	Accessory family	Connecting cables
Connection type     Fign gads       Connector material     FU       Locking nut material     FU       Cable     Ion (12 vuire, PUR, halogen-free       Jacket material     FUR halogen-free       Jacket material     FUR halogen-free       Jacket color     Back       Cable diameter     Sin material       Conductor coss section     Other Material       Stationary position     Sin diadate       Fueblese     > Sin color       Stationary position     Sin diadate       Stationary position     > Sin color       Stationary position     Sin color       Stationary position     Sin color       Stationary position	Connection type head A	Female connector, M12, 12-pin, straight, A-coded
Connector materialFULocking nut materialCalceac, nickel platedCableUn 12 vickel PLA plated predictLock materialSinden-FreeLock materialSinden-FreeCable diameterSinden-Calceac plated predictCable diameterSinden-Calceac plated predictCable diameterSinden-Calceac plated predictCable diameterSinden-Calceac plated predictCable diameterSinden-Calceac plated predictCalceac predictSinden-Calceac plated predictFixelineSinden-Calceac plated predictStationarySinden-Calceac plated predictCarent loadingSinden-Calceac plated plate	Connection type head B	Flying leads
Locking nut materialDisclere disclere dis	Connection type	Flying leads
Cable10 m, 12 wire, PUR, halogen-freeJacket materialPUR, halogen-freeJacket colorBackCable diameter8.5 mmConductor coss section0.14 mm²SheldingBioledShelding radius1.04 coble diameterFlexible was5.0 coble diameterStationary position5.0 coble diameterStationary position5.0 coble diameterStationary position2.00,000Reference voltage2.00,000Current loading1.5 ATavesling speed1.5 ATavesling speed1.0 m/sStationary Diameter2.00,000Stationary Diameter2.00,000Current loading1.5 ATavesling speed1.5 AStationary Diameter2.00,000Stationary Diameter2.00,000Stationary Diameter2.00,000Current loading1.5 AStationary Diameter2.00,000Stationary Diameter2.00,000Sta	Connector material	TPU
Jaket material     PK alagen/ree       Jaket color     Bick       Cable diameter     S.5 mm       Conduct cross section     0.14 mm²       Shelding     Jaket adde adde adde adde adde adde adde ad	Locking nut material	Zinc die-cast, nickel-plated
Jaket color     Bak       Cable diameter     8.5 mm       Conductor cross section     0.14 mm²       Shelding     0.14 mm²       Shelding     > haked       Shelding     > 10x cable diameter       Stationary nowing     > 5 x cable diameter       Stat	Cable	10 m, 12-wire, PUR, halogen-free
Cable diameter8.5 mmConducto cross section0.44 mm²Shelding0.44 mm²Shelding0.46 diameterBending radius0.45 cable diameterFree radius0.45 cable diameterBending cross section0.40 cable di	Jacket material	PUR, halogen-free
Conductor cross section0.44 ma°SheldingDevelopmentSheldingDevelopmentBending radius	Jacket color	Black
ShidingBieledBending radius-Flexible> 10 cable/ameterStationary point> 5 cable/ameterBending cycles-Bending cycles-Bending cycles-Stationary point-Bending cycles-Bending cycles-	Cable diameter	8.5 mm
Bending radius     Fiesdies a       Feiseles     > 10 x cabe diameter       Stationary position     > 5 x cabe diameter       Bending cycles     > 2000000       Reference voltage     > 300000       Current loading     > 5 x cabe diameter       Garden Loading     > 5 x cabe diameter       Taveling distance     > 5 x cabe diameter       State Internet     > 5 x cabe diameter	Conductor cross section	0.14 mm <sup>2</sup>
Fixeble us   > 10 x cable diameter     Stationary position   > 5 x cable diameter     Bending cycles   2,000,000     Reference voltage   > 30 x 0.000     Zurrent loading   - 5 x 0.00,000     Taversing speed   .5 x 0.00,000     Taversing speed   .00,000     Taversing speed   .00,000     Stationary position   .00,000     Acceleration   .00,000     Signal type   .00,000     Special feature   .00,000     Application   .00,000     Application   .00,000     Application   .00,000     Ambient operating the more than th	Shielding	Shielded
Stationaryosis> scale diameterBending cycles200,000Reference voltage-Solo-Current loading0,00Taversing speed0,00Taveling distance0,00Acceleration0,00Signal type0,00Special feature0,000Application0,000Special feature0,000Application0,000Application0,000Special feature0,000Application0,000Special feature0,000Application0,000Special feature0,000Special feature0,000 <t< th=""><th>Bending radius</th><th></th></t<>	Bending radius	
Bending cycles   2,000,000     Reference voltage   5,000     2 of 0   5,000     Current loading   5,000     Taversing speed   15,000     Taveling distance   0,000     Acceleration   0,000     Signal type   6,000     Special feature   0,000     Application   0,000     Facebare ting   0,000     Facebare ting   0,000     Facebare ting   0,000     Facebare ting	Flexible use	> 10 x cable diameter
Reference voltage	Stationary position	> 5 x cable diameter
نامان المعالية   نامان المعالية     Current loading   نامان المعالية     Traversing speed   کامان المعالية     Traveling distance   نامان المعالية     Acceleration   نامان المعالية     Signal type   خامان المعالية     Special feature   Mois cable Job     Application   Dios with oil sand lubricants     Application   Dios with oil sand lubricants     Fendometer temperature   Fexible with oil sand lubricants	Bending cycles	2,000,000
Current loading1.5ATraversing speed3 // 3 // 3 // 3 // 3 // 3 // 3 // 3 /	Reference voltage	
Traversing speed3m/sTraveling distance10 mAcceleration<10 m/s²		≤ 30 V
Travelling distanceInTravelling distanceInAccelerationSinnarceSignal typeSensor/actuator cable, I/OSpecial featureWisted pairApplicationCons with oils and lubricantsEnclosure ratingDe5/IPG7Misted pair cable, I/OSensor/actuator cable, I/OFlexible wSensor cable, I/OFlexible w<	Current loading	1.5 A
Acceleration= 10 m/s²Signal typeSensor/actuation Called Sensor/actuationSpecial featureMisted pairApplicationConsortain Called Sensor/actuationEnclosure ratingPo5/P67Misted pair called Sensor/actuationSensor/actuationFusible weight of the sensor called Sensor/actuationSensor/actuation	Traversing speed	3 m/s
Signal type Sensor/actuator cable, I/O   Special feature Twisted pair   Application Consorting to the sensor cable, I/O   Enclosure rating Defo / IPO / I	Travelling distance	10 m
Special feature Twisted pair   Application Zones with oils and lubricants   Enclosure rating IP65/ IP67   Ambient operating temperature Flexible use   Flexible use S° C +80 ° C	Acceleration	≤ 10 m/s²
Application Zones with oils and lubricants   Enclosure rating IP65/ IP67   Ambient operating temperature Flexible use   Flexible use -5 °C +80 °C	Signal type	Sensor/actuator cable, I/O
Enclosure rating IP65/IP67   Ambient operating temperature Flexible use s°c+80°C	Special feature	Twisted pair
Ambient operating temperature Flexible use -5 °C +80 °C	Application	Zones with oils and lubricants
Flexible use -5 °C +80 °C	Enclosure rating	IP65/ IP67
	Ambient operating temperature	
Stationary position 20 °C +80 °C	Flexible use	-5 °C +80 °C
	Stationary position	-30 °C +80 °C

# YF2A2B-100UD3XLEA | Sensor/actuator cable PLUG CONNECTORS AND CABLES

Head	-25 °C +90 °C
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

### 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

