

YF2A2B-200UD3XLEAX

Sensor/actuator cable

PLUG CONNECTORS AND CABLES



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Ordering information

Туре	Part no.
YF2A2B-200UD3XLEAX	6042737

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

Detailed technical data

Technical specifications

Accessory groupPlag connectory said cablesAccessory familyConnecting cablesConnection type head AFinal connector, M12, 12-pin, straight, AcodedConnection type head AFinal connector, M12, 12-pin, M12, M12, M12, M12, M12, M12, M12, M12		
Connection type head A Fenale connector, M12, 12.pin, straight, A.coded Connection type head B Fing leads Connection type Fing leads Connector material TPU Locking nut material Diracide cast, nickel-plated Cable 20m, 12.wire, PUR, halogen-free Jacket material Bick Locking nut material Bick Cable Sim R Conductor cross section Bick Shielding Sineide Shielding Sickionary position Stationary position Sickionary position Stationary position Sickionary position Size cable diameter Size cable diameter Size cable diameter Size cable diameter <	Accessory group	Plug connectors and cables
Connection type head BHig leadsConnection typeFile JeadsConnector materialFile JeadsContector materialCondector materialCableConductor public JeadsCableConductor public JeadsJacket naterialBick Standard JeadsCable colorBick Standard JeadsCable colorSin Standard JeadsConductor coss sectionSin Standard JeadsStationary positionSin Standard JeadsFactor Stationary positionSin Standard JeadsStationary positionSin Standard JeadsFactor Stationary positionSin Standard JeadsFactor Station StationSin Standard JeadsFactor Station StationSin Standard JeadsStation Station Station StationSin Standard JeadsFactor Station	Accessory family	Connecting cables
ConnectorFinal geadsConnector materialTULocking nut materialCondecast, nickel-platedLocking nut materialConductor.Jaket materialBlackJacket naterialBlackCable diameterSinmConductor cross sectionOld mardSheldingSindedBending radius> 10 x cable diameterStationary position> 5 x cable diameter	Connection type head A	Female connector, M12, 12-pin, straight, A-coded
Connector materialFULocking nut materialCioleccas, nickel-platedCableCioleccas, nickel-platedLaket materialCioleccas, nickel-platedLaket colorBickCable diameterSiomaCable diameterCioleccas, nickel-platedCable diameterSiomaCable diameterSiomaSheldingDia Cable diameterStationary DiameterSiocable diamete	Connection type head B	Flying leads
Locking nut meterialDic dicada cikel-pladedCable0x12xvire, PUR, halogen-freeJacket material0K1, halogen-freeJacket color0k2, halogen-freeCable diameter0k3, mailCable diameter0k3, mailShelding0k3, mailShelding0k3, mailShelding0k3, mailShelding0k3, mailShelding0k3, mailShelding0k3, mailShelding color0k3, mailShelding color <t< th=""><th>Connection type</th><th>Flying leads</th></t<>	Connection type	Flying leads
Cable20m. 12-wire, PUR, halogen freeJacket materialVIR, halogen freeJacket colorBickCable diameter0.14 mm?Coductor cross section0.14 mm?Shelding> SheldeBending radius> Stacele diameterStationary position> Stacele diameter<	Connector material	TPU
Jacket material PUR, halogen-free Jacket color Black Cable diameter 8.5 mm Conductor cross section 0.14 mm ² Shielding Shieldea Bending radius > 10 x cable diameter Flexible us > 10 x cable diameter Stationary positio > 5 x cable diameter Bending cycles 2000,000 Reference voltage - 30 x Tavening speed 15 A Tavening speed 3 m/s Stationary positio 3 m/s Taveling distance 10 m Signal type Senor/catuator cable, 1/0 Special feature Misted pair Application Flexible us Flexibilities Flexibilities Flexibilities Flexibilities	Locking nut material	Zinc die-cast, nickel-plated
Jacket color Biak Cable diameter 8.5 mm Conductor cross section 0.14 mm ² Shielding 0.14 mm ² Shielding 9.10 x cable diameter Stationary position > 5 x cable diameter Stationary position	Cable	20 m, 12-wire, PUR, halogen-free
Cable diameter8.5 mmConductor cross section0.14 mm²Shelding5. miededShelding radius-Flexible w1.0 x cable diameterStationary position3.0 x cable diameterStationary position2.00,000Reference voltage-Current loading1.5 ATaversing speed1.5 ATaversing speed1.5 AStationary1.5 AStati	Jacket material	PUR, halogen-free
Conductor cross section0.14 mm²SheldingSheldeShelding radiusSheldeFlexible> 0.0 cable diameterStationary position> 5 cable diameterStationary position> 5 cable diameterStationary position> 5 cable diameterBending cyclesQuo0,000Reference voltage	Jacket color	Black
SheldingbieldeBending radius> 10 x cable diameterStationary position> 5 x cable diameterStationary position> 5 x cable diameterBending cycles> 000,000Reference voltage> 30 vCurrent loading.5 x Gable GiameterTaversing speed.5 x Gable GiameterStationary.5 x Gable GiameterSignal type.5 x Gable GiameterFiexible.5 x Gable GiameterSignal type.5 x Gable Giamete	Cable diameter	8.5 mm
Bending radius Interstep in the statutum interstep in the statutum interstep	Conductor cross section	0.14 mm ²
Fixibition >10 x cable diameter Stationary position >5 x cable diameter Bending cycles 2,000,000 Reference voltage - 2 a00 x - Current loading - Taversing speed .00 x Acceleration .00 x Signal type .00 x Special feature .00 x Application .00 x Application .00 x Ficesoure rating .00 x Application .00 x Ficesoure rating .00 x Application .00 x Ficesoure rating .00 x Ambient operating temperature .00 x Ficesoure rating .00 x Ambient operating temperature .00 x Ficesoure rating .00 x Ambient operating temperature .00 x Ficesoure .00 x Signal type	Shielding	Shielded
Stationary position > 5 x cable diameter Bending cycles > 000,000 Reference voltage > 30 v Current loading 1.5 A Traversing speed 0 m Traveling distance 10 m Acceleration 10 ms² Signal type > 10 ms² Special feature Sinsoractulatorical biological biologica	Bending radius	
Bending cycles 2,000,000 Reference voltage 5,000 Current loading 5,000 Current loading 1,500 Traversing speed 3m/s Travelling distance 10m Acceleration 400,000 Signal type Sensor/catalent,000 Application Keteration Application Des virb oils and lubricants Facebare rating Des virb oils and lubricants Facebare rating Fiexible w	Flexible use	> 10 x cable diameter
Reference voltage = 30 V Current loading 1.5 A Traversing speed 3 m/s Traveling distance 10 m Acceleration 5 10 m/s ² Signal type Senoractuate Logical Market Application Twisted pair Application Conswitch Constant Facebare rating Explose of Sec + 80 °C	Stationary position	> 5 x cable diameter
نامان المعالية نامان المعالية Current loading 1.5 A Traversing speed 3 m/s Travelling distance 10 m Acceleration i 10 m/s² Signal type 6 aso/actuator cable, 1/0 Special feature Nose asola (Jose asola (Jos	Bending cycles	2,000,000
Current loading1.5 ACurrent loading1.5 ATraversing speed3 m/sTravelling distance10 mAcceleration4 0 m/s²Signal typeSensor/actuator cable, I/OSpecial featureMised pairApplicationSone with oils and lubricantsAnsient operating temperature Flexible with sense of cable, Sense Cabl	Reference voltage	
Traversing speed3 m/sTravelling distance10 mAcceleration< 10 m/s²		≤ 30 V
Travelling distance10 mAcceleration5 10 m/s²Signal typeSensoratuator cable, 1/0Special featureWisted pairApplicationSone with oils and lubricantsEnclosure ratingD65 / IP67Flexible wSone cable, 20 m cable	Current loading	1.5 A
Acceleration< 10 m/s2	Traversing speed	3 m/s
Signal type Sensor/actuator cable, I/O Special feature Twisted pair Application Zones with oils and lubricants Enclosure rating IP65/ IP67 Flexible us S° c° c° c° c°	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 5° C +80° C	Acceleration	≤ 10 m/s²
Application Zones with oils and lubricants Enclosure rating IP65/ IP67 Ambient operating temperature Flexible use Sole Sole Sole Sole Sole Sole Sole Sole	Signal type	Sensor/actuator cable, I/O
Enclosure rating IP65/IP67 Ambient operating temperature Flexible use -5°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 -30 °C +80 °C	Flexible use	-5 °C +80 °C
	Stationary position	-30 °C +80 °C

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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

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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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