



YF2B25-020IB1XLEAX

Industrial Ethernet cables and fieldbus cables

PLUG CONNECTORS AND CABLES

SICK
Sensor Intelligence.



Ordering information

| Type | Part no. |
|--------------------|----------|
| YF2B25-020IB1XLEAX | 2109197 |

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

Detailed technical data

Technical specifications

| | | | | | | | |
|--------------------------------------|--|--------------|-----------------------|---------------------|------------------------|----------------------|-----------------------|
| Accessory group | Plug connectors and cables | | | | | | |
| Accessory family | Connecting cables | | | | | | |
| Connection type head A | Female connector, M12, 5-pin, straight, B-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 | | | | | | |
| Tightening torque | 0.4 Nm | | | | | | |
| Cable | 2 m, 5-wire, PUR | | | | | | |
| Jacket material | PUR | | | | | | |
| Jacket color | Green | | | | | | |
| Cable diameter | 8 mm | | | | | | |
| Conductor cross section | 3 x 2 x 0.22 mm ² | | | | | | |
| Shielding | Shielded | | | | | | |
| Bending radius | <table border="0"> <tr> <td>Flexible use</td> <td>> 15 x cable diameter</td> </tr> <tr> <td>Stationary position</td> <td>> 7.5 x cable diameter</td> </tr> <tr> <td>Drag chain operation</td> <td>> 15 x cable diameter</td> </tr> </table> | Flexible use | > 15 x cable diameter | Stationary position | > 7.5 x cable diameter | Drag chain operation | > 15 x cable diameter |
| Flexible use | > 15 x cable diameter | | | | | | |
| Stationary position | > 7.5 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/s ² | | | | | | |
| 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 |
| Head | -25 °C ... +90 °C |
| Contamination rating | 3 |
| Insulation resistance | 100 MΩ |
| Overvoltage category | II |

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

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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.”

WORLDWIDE PRESENCE:

Contacts and other locations –www.sick.com