

YF2B25-100IB1XLEAX

Industrial Ethernet cables and fieldbus cables



YF2B25-100IB1XLEAX | Industrial Ethernet cables and fieldbus cables



Ordering information

Туре	Part no.
YF2B25-100IB1XLEAX	2109199

Other models and accessories \Rightarrow www.sick.com/Industrial_Ethernet_cables_and_fieldbus_cables

Detailed technical data

Technical specifications

Connection type head A Female connector, M12, 5 pin, straight, B coded Connection type head B Flying leads Locking plug connector Screw connection Connector color Black Locking nut material Zinc die-cast, nickel-plated Tightening torque 0.4 Nm Cable 10 m, 5-wire, PUR Jacket material PUR Jacket color Green Cable diameter 8 mm Conductor cross section 3 x 2 x 0.22 mm² Shielded Shielded Bending radius Flexible use Flexible use 5.5 x cable diameter Drag chain operation > 15 x cable diameter Secure 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 Operating temperature Flexible use Stationary position 4-0° C +80° C	reemmed opeemed to the	
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 10 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 Place of the properties of	Connection type head A	Female connector, M12, 5-pin, straight, B-coded
Connector material TPU Connector color Black Locking nut material Zinc die-cast, nickel-plated Tightening torque 0.4 Nm Cable 10 m, 5-wire, PUR 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 Plexible use Drag chain operation > 15 x cable diameter Plexible use Drag chain operation > 60 ∨ 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 Operating temperature Flexible use Stationary position -30 °C +70 °C -40 °C +80 °C	Connection type head B	Flying leads
Connector color Locking nut material Zinc die-cast, nickel-plated Tightening torque 0.4 Nm Cable 10 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 Bending radius Flexible use Drag chain operation Purg chain operation Seference voltage \$ 60 V AC/DC Current loading Traversing speed Traverling distance Acceleration \$ 3 m/s² Signal type Application Enclosure rating Operating temperature Flexible use Stationary position Flexible use -30 °C +70 °C -40 °C +80 °C -40 °C +80 °C	Locking plug connector	Screw connection
Locking nut material Tightening torque Cable 10 m, 5-wire, PUR Jacket material PUR Green Cable diameter 8 mm 3 x 2 x 0.22 mm² Shielding Bending radius Flexible use Drag chain operation Bending cycles Reference voltage ≤ 60 V AC/DC Current loading Traversing speed 1.6 m/s Travelling distance Acceleration Signal type Application Enclosure rating Operating temperature Flexible use Stationary position Flexible use Stationary position 70 m (2 +70 °C -40 °C +80 °C Lorent loading Travel loading Flexible use Stationary position Flexible use Stationary position	Connector material	TPU
Tightening torque 0.4 Nm Cable 10 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 Prag chain operation Drag chain operation > 15 x cable diameter > 15 x cable diameter > 15 x cable diameter Source 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 Operating temperature Flexible use Stationary position -30 °C +70 °C +80 °C	Connector color	Black
Cable 10 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 Prag chain operation Flexible use Drag chain operation > 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 Operating temperature Flexible use Stationary position -30 °C +70 °C Stationary position -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 voltage \$ 60 V AC/DC Current loading 4 mA Traversing speed 1.6 m/s Travelling distance Acceleration \$ 3 m/s² Signal type Application Enclosure rating Drag chain operation Flexible use Stationary position	Tightening torque	0.4 Nm
Jacket color Green Cable diameter 8 mm Conductor cross section 3 x 2 x 0.22 mm² Shelding Shielded Bending radius Flexible use	Cable	10 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 Pool on the properties of the pr	Jacket material	PUR
Conductor cross section 3 x 2 x 0.22 mm² Shielding Shielded Bending radius > 15 x cable diameter Prag 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 Operating temperature Flexible use Stationary position -30 °C +70 °C -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 Plexible use Stationary position Shielded Stationary position Shielded Shielded Shielded Shielded Shielded Shielded Stationary position Shielded Shielded	Cable diameter	8 mm
Flexible use Drag chain operation > 15 x cable diameter > 15 x ca	Conductor cross section	3 x 2 x 0.22 mm ²
Flexible use Drag chain operation Bending cycles Reference voltage \$\leq 60 \times \text{AC/DC}\$ Current loading Traversing speed \$\leq 6 \times \text{M} \text{S} \text{M} \text{S} \text{C}	Shielding	Shielded
Bending cycles Reference voltage ≤ 60 V AC/DC Current loading Traversing speed 1.6 m/s Travelling distance Acceleration Signal type Application Enclosure rating Operating temperature Flexible use Stationary position > 15 x cable diameter 5,000,000 4 mA 4 mA 10 m 4 mA 10 m 5 3 m/s² Interbus Drag chain operation Prag chain operation Flexible use Stationary position -30 °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 Drag chain operation Enclosure rating Operating temperature Flexible use Stationary position Flexible use Stationary position 5,000,000 A mA 1.6 m/s 1.7 m/s 2 m/s² 1.7	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 ≤ 3 m/s² Signal type Application Enclosure rating Operating temperature Flexible use Stationary position ≤ 30 ° C +70 ° C -40 ° C +80 ° C	Drag chain operation	> 15 x cable diameter
Signal type Application Enclosure rating Flexible use Stationary position ≤ 60 V AC/DC 4 mA 1.6 m/s 1.6 m/s 10 m ≤ 3 m/s² Interbus Interbus Drag chain operation 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 Operating temperature Flexible use -30 °C +70 °C -40 °C +80 °C	Reference voltage	
Traversing speed 1.6 m/s 10 m Acceleration ≤ 3 m/s² Signal type Interbus Application Enclosure rating Flexible use Flexible use Stationary position 1.6 m/s 10 m Enclosure ration Interbus Drag chain operation IP65/ IP67 Flexible use -30 °C +70 °C -40 °C +80 °C		≤ 60 V AC/DC
Travelling distance Acceleration ≤ 3 m/s² Signal type Interbus Application Enclosure rating Operating temperature Flexible use -30 °C +70 °C -40 °C +80 °C	Current loading	4 mA
Acceleration ≤ 3 m/s² Signal type Interbus Application Drag chain operation Enclosure rating IP65/ IP67 Operating temperature Flexible use Stationary position Flexible use Stationary position -30 °C +70 °C -40 °C +80 °C	Traversing speed	1.6 m/s
Signal type Application Drag chain operation Enclosure rating IP65/ IP67 Operating temperature Flexible use -30 °C +70 °C Stationary position -40 °C +80 °C	Travelling distance	10 m
Application Enclosure rating Operating temperature Flexible use -30 °C +70 °C Stationary position Drag chain operation IP65/ IP67 Operating temperature -30 °C +70 °C -40 °C +80 °C	Acceleration	≤ 3 m/s²
Enclosure rating Operating temperature Flexible use -30 °C +70 °C Stationary position -40 °C +80 °C	Signal type	Interbus
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	Operating temperature	
	Flexible use	-30 °C +70 °C
Head -25 °C +90 °C		
	Head	-25 °C +90 °C

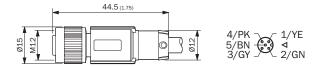
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Contamination rating	3
Insulation resistance	100 ΜΩ
Overvoltage category	II

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

Dimensional drawing (Dimensions in mm (inch))



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