

YN2D24-020PN1XLEAX

Industrial Ethernet cables and fieldbus cables

PLUG CONNECTORS AND CABLES





Ordering information

Туре	Part no.
YN2D24-020PN1XLEAX	2106174

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



Detailed technical data

Technical specifications

Accessory group Plug connectors and cables Connection type head A Male connector, M12, 4-pin, angled, D-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 Uddith across flats 13 Cable 2 m, 4-wire, PUR, halogen-free Jacket material PUR, halogen-free Jacket color Green Cable diameter 6.7 mm Conductor cross section 0.34 mm² Shelding Shelided Bending radius Flexible use Stationary position Drag chain operation > 12 x cable diameter Stationary position > 12 x cable diameter	·	
Connection type head A Male connector, M12, 4-pin, angled, D-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 0.6 Nm Width across flats 13 Cable 2 m, 4-wire, PUR, halogen-free Jacket color Green Cable diameter 6.7 mm Conductor cross section 0.34 mm² Shielding Shielded Bending radius > 12 x cable diameter Flexible use Stationary position Drag chain operation > 5 x cable diameter Parage chain operation Drag chain operation Dra	Accessory group	Plug connectors and cables
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Locking plug connector Screw connection Connector material TPU Connector color Black Locking nut material Zinc die-cast, nickel-plated Tightening torque 0.6 Nm Width across flats 13 Cable 2 m, 4-wire, PUR, halogen-free Jacket material PUR, halogen-free Jacket color Green Cable diameter 6.7 mm Conductor cross section 0.34 mm² Shielding Shielded Bending radius > 12 x cable diameter Stationary position Drag chain operation > 5 x cable diameter > 5 x cable diameter > 12 x cable diameter Sound operation > 12 x cable diameter Should diameter > 12 x cable diameter Stationary position Drag chain operation > 12 x cable diameter Should diameter > 12 x cable diameter Stationary position Drag chain operation > 12 x cable diameter Stationary position Drag chain operation > 12 x cable diameter Stationary position Drag chain operation > 12 x cable diameter Stationary position Drag chain operation > 12 x cable diameter	Connection type head A	Male connector, M12, 4-pin, angled, D-coded
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Connector color Locking nut material Zinc die-cast, nickel-plated 7	Locking plug connector	Screw connection
Locking nut material Zinc die-cast, nickel-plated Tightening torque 0.6 Nm Width across flats 13 Cable 2 m, 4-wire, PUR, halogen-free Jacket material PUR, halogen-free Jacket color Green Cable diameter 6.7 mm Conductor cross section 0.34 mm² Shielding Shielded Bending radius > 12 x cable diameter Stationary position Drag chain operation > 5 x cable diameter Drag chain operation > 12 x cable diameter Bending cycles 3,000,000 Nominal voltage, cable 300 V AC Test voltage, cable 2,000 V AC Reference voltage 48 V AC 60 V DC Rated impulse voltage 1.5 kV	Connector material	TPU
Tightening torque Width across flats 13 Cable 2 m, 4-wire, PUR, halogen-free PUR, halogen-free PUR, halogen-free Green Cable diameter 6.7 mm Conductor cross section Shielding Bending radius Flexible use Stationary position Drag chain operation Drag chain operation Pest voltage, cable Reference voltage 48 V AC 60 V DC Rated impulse voltage 1.5 kV	Connector color	Black
Width across flats Cable 2 m, 4-wire, PUR, halogen-free Jacket material PUR, halogen-free Green Cable diameter Conductor cross section Shielding Bending radius Flexible use Stationary position Drag chain operation Drag chain operation Bending cycles Nominal voltage, cable Test voltage, cable Reference voltage 48 V AC 60 V DC Rated impulse voltage 1.3 2 m, 4-wire, PUR, halogen-free Green 4.3 2 m, 4-wire, PUR, halogen-free J un, 4-wire, P	Locking nut material	Zinc die-cast, nickel-plated
Cable Jacket material PUR, halogen-free PUR, halogen-free Green Cable diameter Conductor cross section Shielding Bending radius Flexible use Stationary position Drag chain operation Drag chain operation Bending cycles Nominal voltage, cable Test voltage, cable Reference voltage A8 V AC 60 V DC Rated impulse voltage 2 m, 4-wire, PUR, halogen-free ### A wilder ### A	Tightening torque	0.6 Nm
Jacket material Jacket color Cable diameter Conductor cross section Shielding Bending radius Flexible use > 12 x cable diameter Stationary position Drag chain operation Drag chain operation Bending cycles Nominal voltage, cable Test voltage, cable Reference voltage 48 V AC 60 V DC Rated impulse voltage	Width across flats	13
Jacket color Cable diameter 6.7 mm Conductor cross section Shielding Shielded Bending radius Flexible use Stationary position Drag chain operation Drag chain operation Shielded Bending cycles 3,000,000 Nominal voltage, cable Test voltage, cable Reference voltage 48 V AC 60 V DC Rated impulse voltage 1.5 kV	Cable	2 m, 4-wire, PUR, halogen-free
Cable diameter Conductor cross section 0.34 mm² Shielding Shielded Bending radius Flexible use Stationary position Drag chain operation Drag chain operation Bending cycles 3,000,000 Nominal voltage, cable Test voltage, cable Reference voltage 48 V AC 60 V DC Rated impulse voltage 1.5 kV	Jacket material	PUR, halogen-free
Conductor cross section Shielding Bending radius Flexible use Stationary position Drag chain operation Drag chain operation Provided P	Jacket color	Green
Shielding Bending radius Flexible use Stationary position > 5 x cable diameter > 5 x cable diameter Drag chain operation > 12 x cable diameter 12 x cable diameter > 12 x cable diameter 12 x cable diameter > 12 x cable diameter 13,000,000 Nominal voltage, cable 300 V AC Test voltage, cable 2,000 V AC Reference voltage 48 V AC 60 V DC Rated impulse voltage 1.5 kV	Cable diameter	6.7 mm
Flexible use Stationary position Drag chain operation Bending cycles Nominal voltage, cable Test voltage, cable Reference voltage 48 V AC 60 V DC Rated impulse voltage 1.5 kV	Conductor cross section	0.34 mm ²
Flexible use Stationary position > 5 x cable diameter Drag chain operation > 12 x cable diameter 2 x cable diameter 3,000,000 Nominal voltage, cable 300 V AC Test voltage, cable 2,000 V AC Reference voltage 48 V AC 60 V DC Rated impulse voltage 1.5 kV	Shielding	Shielded
Stationary position Drag chain operation Bending cycles 3,000,000 Nominal voltage, cable Test voltage, cable 2,000 V AC Reference voltage 48 V AC 60 V DC Rated impulse voltage 1.5 kV	Bending radius	
Drag chain operation > 12 x cable diameter 3,000,000 Nominal voltage, cable 300 V AC Test voltage, cable 2,000 V AC Reference voltage 48 V AC 60 V DC Rated impulse voltage 1.5 kV	Flexible use	> 12 x cable diameter
Bending cycles 3,000,000 Nominal voltage, cable 2,000 V AC Reference voltage 48 V AC 60 V DC Rated impulse voltage 1.5 kV	Stationary position	> 5 x cable diameter
Nominal voltage, cable Test voltage, cable 2,000 V AC Reference voltage 48 V AC 60 V DC Rated impulse voltage 1.5 kV	Drag chain operation	> 12 x cable diameter
Test voltage, cable Reference voltage 48 V AC 60 V DC Rated impulse voltage 1.5 kV	Bending cycles	3,000,000
Reference voltage 48 V AC 60 V DC Rated impulse voltage 1.5 kV	Nominal voltage, cable	300 V AC
48 V AC 60 V DC Rated impulse voltage 1.5 kV	Test voltage, cable	2,000 V AC
Rated impulse voltage 60 V DC 1.5 kV	Reference voltage	
Rated impulse voltage 1.5 kV		48 V AC
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Current loading 4 A	Rated impulse voltage	1.5 kV
	Current loading	4 A

Traversing speed	3.3 m/s
Travelling distance	5 m
Acceleration	≤ 2 m/s²
Signal type	Ethernet, PROFINET
Transmission characteristics	CAT5e
Data transmission rate	≤ 0.1 Gbit/s
Application	Drag chain operation Zones with oils and lubricants
Authorizations	CE UL
Enclosure rating	IP65 / IP66K / IP67
Ambient operating temperature	
Flexible use	-30 °C +70 °C
Stationary position	-40 °C +80 °C
Drag chain operation	-30 °C +70 °C
Head	-25 °C +85 °C
Contamination rating	3
Insulation resistance	> 100 MΩ
Overvoltage category	III
Specific insulation resistance	< 30 mΩ
Thermal resistance, piping	Flame retardant acc. to UL 1581 Section 1090, Section 1100 (FT2), IEC 60332-1-2 Std.

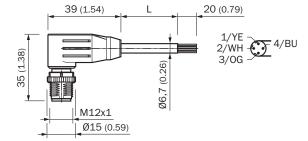
Classifications

ECLASS 5.0	27061801
ECLASS 5.1.4	27061801
ECLASS 6.0	27061801
ECLASS 6.2	27061801
ECLASS 7.0	27061801
ECLASS 8.0	27061801
ECLASS 8.1	27061801
ECLASS 9.0	27061801
ECLASS 10.0	27061801
ECLASS 11.0	27061801
ECLASS 12.0	27061801
ETIM 5.0	EC002599
ETIM 6.0	EC002599
ETIM 7.0	EC002599
ETIM 8.0	EC002599

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Dimensional drawing (Dimensions in mm (inch))



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