

# YM2X18-050EF5M2D24

Other connectors and cables

**CONNECTORS AND CABLES**

**SICK**  
Sensor Intelligence.

### Ordering information

Type	part no.
YM2X18-050EF5M2D24	2122717

Other models and accessories → [www.sick.com/Other\\_connectors\\_and\\_cables](http://www.sick.com/Other_connectors_and_cables)



### Detailed technical data

#### Technical specifications

<b>Connection type head A</b>	Male connector, M12, 8-pin, straight, X-coded
<b>Connection type head B</b>	Male connector, M12, 4-pin, straight, D-coded
<b>Locking plug connector</b>	Screw connection
<b>Connector material</b>	TPU
<b>Connector color</b>	Black
<b>Locking nut material</b>	Zinc die-cast, nickel-plated
<b>Tightening torque</b>	0.6 Nm
<b>Width across flats</b>	13
<b>Cable</b>	5 m, 8-wire, PUR, halogen-free
<b>Jacket material</b>	PUR, halogen-free
<b>Jacket color</b>	Green
<b>Cable diameter</b>	6.4 mm
<b>Conductor cross section</b>	0,14 mm <sup>2</sup>
<b>Shielding</b>	Shielded
<b>Bending radius</b>	
Flexible use	> 10 x cable diameter
Stationary position	> 8 x cable diameter
<b>Nominal voltage, cable</b>	300 V AC
<b>Test voltage, cable</b>	2,000 V AC
<b>Reference voltage</b>	
	48 V AC
	60 V DC
<b>Rated impulse voltage</b>	1.5 kV
<b>Current loading</b>	0.5 A
<b>Signal type</b>	Fieldbus
<b>Transmission characteristics</b>	CAT6A
<b>Data transmission rate</b>	≤ 10 Gbit/s
<b>Application</b>	Zones with oils and lubricants
<b>UL File No.</b>	E513908
<b>Enclosure rating</b>	IP65 / IP67

Operating temperature	Stationary position	-40 °C ... +80 °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	

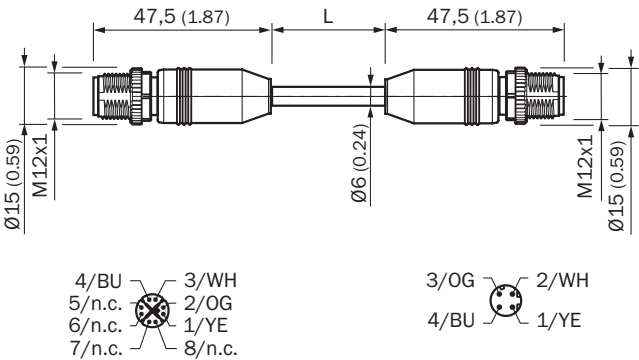
Certificates

EU declaration of conformity	✓
China RoHS	✓

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)

## 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](http://www.sick.com)