

# YM2X18-010EG2MRJA8

Industrial Ethernet cables and fieldbus cables

**PLUG CONNECTORS AND CABLES**

**SICK**  
Sensor Intelligence.

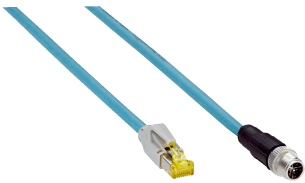


Illustration may differ

Ordering information

Type	Part no.
YM2X18-010EG2MRJA8	6049727

Other models and accessories → [www.sick.com/Industrial\\_Ethernet\\_cables\\_and\\_fieldbus\\_cables](http://www.sick.com/Industrial_Ethernet_cables_and_fieldbus_cables)

Detailed technical data

Technical specifications

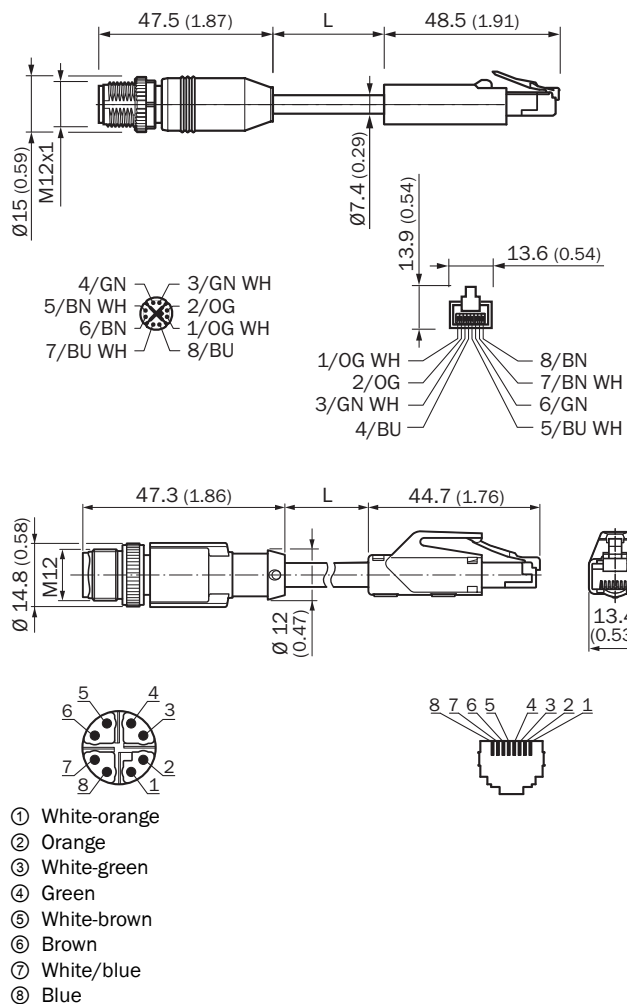
Accessory group	Plug connectors and cables	
Accessory family	Connection cables	
Connection type head A	Male connector, M12, 8-pin, straight, X-coded	
Connection type head B	Male connector, RJ45, 8-pin, straight	
Locking nut material	CuZn, nickel-plated brass	
Tightening torque	0.4 Nm	
Cable	1 m, 8-wire, AWG26, PUR, halogen-free	
Jacket material	PUR, halogen-free	
Jacket color	Water blue	
Cable diameter	6.4 mm	
Conductor cross section	4 x 2 x 0.14 mm <sup>2</sup>	
Shielding	Shielded	
Bending radius	Flexible use	> 8 x cable diameter
	Stationary position	> 4 x cable diameter
Reference voltage	≤ 48 V	
Signal type	Gigabit Ethernet	
Transmission characteristics	CAT6A	
Data transmission rate	≤ 10 Gbit/s	
Special feature	Twisted pair	
Application	Zones with oils and lubricants	
Enclosure rating	IP65/ IP67 (M12), IP20 (RJ45)	
Ambient operating temperature	Flexible use	−20 °C ... +80 °C
	Stationary position	−40 °C ... +80 °C
	Head	−25 °C ... +60 °C

Classifications

ECLASS 5.0	19030312
ECLASS 5.1.4	19030312
ECLASS 6.0	27060304

<b>ECLASS 6.2</b>	27060304
<b>ECLASS 7.0</b>	27060304
<b>ECLASS 8.0</b>	27060304
<b>ECLASS 8.1</b>	27060304
<b>ECLASS 9.0</b>	27060304
<b>ECLASS 10.0</b>	27060304
<b>ECLASS 11.0</b>	27060304
<b>ECLASS 12.0</b>	27060304
<b>ETIM 5.0</b>	EC000830
<b>ETIM 6.0</b>	EC000830
<b>ETIM 7.0</b>	EC003249
<b>ETIM 8.0</b>	EC003249
<b>UNSPSC 16.0901</b>	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)