



# YF2A28-100VA6XLEAX

Sensor/actuator cable

PLUG CONNECTORS AND CABLES

**SICK**  
Sensor Intelligence.



Ordering information

Type	Part no.
YF2A28-100VA6XLEAX	2096245

For 8-pin sensor-actuator cables, the wire colors are not standardized. Therefore, please observe the pin assignment of the sensor and the cable in the respective data sheet.

Other models and accessories → [www.sick.com/Sensor\\_actuator\\_cable](http://www.sick.com/Sensor_actuator_cable)

Detailed technical data

Technical specifications

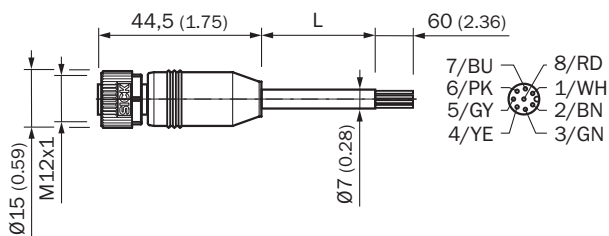
Accessory group	Plug connectors and cables
Accessory family	Connecting cables
Connection type head A	Female connector, M12, 8-pin, straight, A-coded
Connection type head B	Flying leads
Locking plug connector	Screw connection
Connector material	TPU
Connector color	Black
Locking nut material	Zinc die-cast, nickel-plated
Seal material	FKM
Tightening torque	0.6 Nm
Width across flats	13
Cable	10 m, 8-wire, PVC
Jacket material	PVC
Jacket color	Gray
Cable diameter	7 mm
Conductor cross section	0.25 mm <sup>2</sup>
Shielding	Shielded
Bending radius	
Stationary position	> 10 x cable diameter
Nominal voltage, cable	300 V AC
Test voltage, cable	2,000 V AC
Reference voltage	
	30 V AC
	30 V DC
Rated impulse voltage	0.8 kV
Current loading	2 A
Signal type	Sensor/actuator cable
Application	Zones with chemicals

<b>Authorizations</b>	UL
<b>UL File No.</b>	E335179
<b>Enclosure rating</b>	IP65 / IP66K / IP67
<b>Ambient operating temperature</b>	
Flexible use	-5 °C ... +80 °C
Stationary position	-30 °C ... +80 °C
Head	-25 °C ... +85 °C
<b>Contamination rating</b>	3
<b>Insulation resistance</b>	100 MΩ
<b>Overvoltage category</b>	III
<b>Specific insulation resistance</b>	30 mΩ
<b>Thermal resistance, piping</b>	Flame retardant according to UL 1581 VW1 / CSA FT1

## Classifications




<b>ECLASS 5.0</b>	19030312
<b>ECLASS 5.1.4</b>	19030312
<b>ECLASS 6.0</b>	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))



Recommended accessories

Other models and accessories → [www.sick.com/Sensor\\_actuator\\_cable](http://www.sick.com/Sensor_actuator_cable)

	Brief description	Type	Part no.
Other mounting accessories			
	1 piece, M12 mounting key set for SW13 with calibrated torque 0.6 Nm	TOOL-TW06M12AF13	5337208
Plug connectors and cables			
	<ul style="list-style-type: none"><li>• <b>Connection type head A:</b> Female connector, M12, 8-pin, straight</li><li>• <b>Description:</b> Unshielded</li><li>• <b>Connection systems:</b> Screw-type terminals</li><li>• <b>Permitted cross-section:</b> 0.25 mm² ... 0.5 mm²</li></ul>	DOS-1208-G	6028422
	<ul style="list-style-type: none"><li>• <b>Connection type head A:</b> Male connector, M12, 8-pin, straight</li><li>• <b>Description:</b> Unshielded</li><li>• <b>Connection systems:</b> Screw-type terminals</li><li>• <b>Permitted cross-section:</b> 0.25 mm² ... 0.5 mm²</li><li>• <b>Note:</b> For field bus technology</li></ul>	STE-1208-G	6033269

## 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)