

# LL3-KX01

Fiber-optic cables

FIBER-OPTIC SENSORS

**SICK**  
Sensor Intelligence.



### Ordering information

Type	part no.
LL3-KX01	5343156

Other models and accessories → [www.sick.com/Fiber-optic\\_cables](http://www.sick.com/Fiber-optic_cables)

### Detailed technical data

#### Features

<b>Device type</b>	Fiber-optic cables	
<b>Functional principle</b>	Proximity system	
<b>Fiber-optic head design</b>	Smooth sleeve	
<b>Application</b>	Standard	
<b>Compatible fiber-optic amplifiers</b>	GLL70, WLL80, WLL180, GLL170(T)	
<b>Sensing range max.</b>	Depending on the fiber optic amplifier used	
<b>Optical fiber head</b>	Integrated lens	No
	Compatibility tip adapters	No
<b>Optical fiber</b>	Compatibility with infrared light	No
	Adapter end sleeves required	Yes
<b>Items supplied</b>	Adapter sleeves	

#### Mechanics

<b>Optical fiber head</b>	Light emission	Axial
	Thread diameter (housing)	M10
<b>Optical fiber</b>	Fiber length	3,000 mm
	Bending radius	25 mm
	Dynamic flexibility (robotics)	No
	Outside diameter, optical fiber cable connection	1.3 mm
	Fiber arrangement	Singlefiber
	Core structure	Ø 1,0 mm Singlefiber
<b>Material</b>	Optical fiber head	Stainless steel
	Sheath	Polyethylen (PE)
<b>Weight</b>		58 g

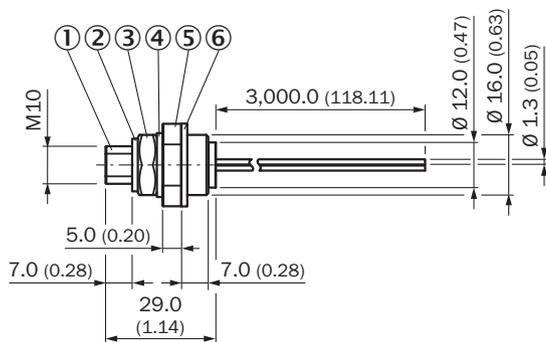
#### Ambient data

<b>Ambient operating temperature</b>	-40 °C ... +70 °C
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## Classifications

<b>ECLASS 5.0</b>	27270905
<b>ECLASS 5.1.4</b>	27270905
<b>ECLASS 6.0</b>	27270905
<b>ECLASS 6.2</b>	27270905
<b>ECLASS 7.0</b>	27270905
<b>ECLASS 8.0</b>	27270905
<b>ECLASS 8.1</b>	27270905
<b>ECLASS 9.0</b>	27270905
<b>ECLASS 10.0</b>	27270905
<b>ECLASS 11.0</b>	27270905
<b>ECLASS 12.0</b>	27270905
<b>ETIM 5.0</b>	EC002651
<b>ETIM 6.0</b>	EC002651
<b>ETIM 7.0</b>	EC002651
<b>ETIM 8.0</b>	EC002651
<b>UNSPSC 16.0901</b>	39121528

## Dimensional drawing



Dimensions in mm (inch)

- ① Mounting nuts SW, 8
- ② Teflon washer Ø 14 x 1.5
- ③ M10 nut, flat
- ④ bonded seal M10 x 17 x 1,5
- ⑤ Mounting nuts SW, 19
- ⑥ Teflon washer Ø 22 x 1.5

## 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)