

# LL3-TX0410

Fiber-optic cables

**FIBER-OPTIC SENSORS**

**SICK**  
Sensor Intelligence.



Illustration may differ

### Ordering information

Type	part no.
LL3-TX0410	1072949

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>	Through-beam system, consisting of a sender and a receiver	
<b>Fiber-optic head design</b>	Threaded 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>	Angle of dispersion	11°
	Integrated lens	Yes
	Compatibility tip adapters	No
<b>Optical fiber</b>	Optical fiber cable can be shortened	✓
	Adapter end sleeves required	No
<b>Included with delivery</b>	Mounting, 4 x M12 hexagon nut, FC fiber cutter (5304141)	

#### Mechanics

<b>Optical fiber head</b>	Light emission	Axial
	Thread diameter (housing)	M12
<b>Optical fiber</b>	Fiber length	10,000 mm
	Dynamic flexibility (robotics)	No
	Outside diameter, optical fiber cable connection	2.2 mm
	Fiber arrangement	Singlefiber
	Core structure	Singlefiber
<b>Weight</b>		64 g

#### 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

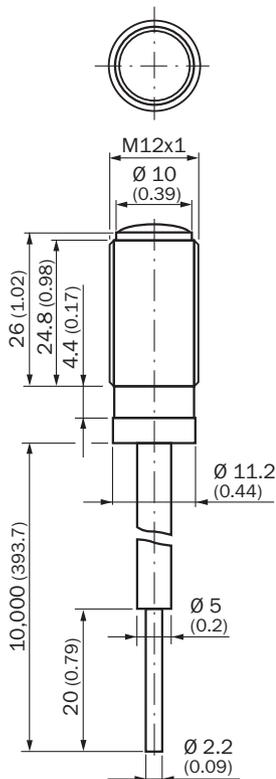
Sensing ranges with GLL170

<b>Operating mode 250 µs</b>	5,800 mm
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Sensing ranges with GLL170T

<b>Operating mode 50 µs</b>	17,600 mm
<b>Operating mode 250 µs</b>	20,000 mm

Dimensional drawing LL3-TX02-10



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)