



# LL3-SH1004

Fiber-optic cables

FIBERS

**SICK**  
Sensor Intelligence.



Illustration may differ

### Ordering information

Type	Part no.
LL3-SH1004	5321463

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
<b>Fiber-optic head design</b>	Without
<b>Application</b>	Standard
<b>Special features</b>	100 m optical fiber cable without fiber optic head for cutting to any length
<b>Compatible fiber-optic amplifiers</b>	WLL80, WLL180, GLL170(T)
<b>Sensing range max.</b>	Depending on the fiber optic amplifier used
<b>Optical fiber head</b>	
Angle of dispersion	60°
Integrated lens	No
Compatibility tip adapters	No
<b>Optical fiber</b>	
Compatibility with infrared light	No
Optical fiber cable can be shortened	✓
Adapter end sleeves required	Yes
<b>Included with delivery</b>	100 m fiber cable

#### Mechanics

<b>Optical fiber head</b>		
Light emission	Axial	
<b>Optical fiber</b>		
Fiber length	100,000 mm	
Bending radius	4 mm	
Dynamic flexibility (robotics)	No	
Outside diameter, optical fiber cable connection	1 mm	
Fiber arrangement	Multi-fiber	
Core structure	4 x Ø 0.25 mm Multi-fiber	
<b>Material</b>		
Sheath	Polyethylen (PE)	
Fibers	Polymethylmethacrylat (PMMA)	
<b>Weight</b>	80 g	

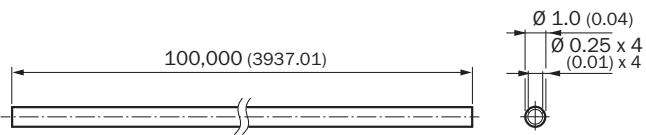
#### Ambient data

<b>Ambient operating temperature</b>	-55 °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))



## 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)