



# LL3-DL01

Fiber-optic cables

FIBER-OPTIC SENSORS

**SICK**  
Sensor Intelligence.



Illustration may differ

Ordering information

Type	part no.
LL3-DL01	1068060

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

Detailed technical data

Features

Device type		Fiber-optic cables
Functional principle		Proximity system
Fiber-optic head design		Flat type
Application		Standard
Compatible fiber-optic amplifiers		GLL70, WLL80, WLL180, GLL170(T)
Sensing range max.		Depending on the fiber optic amplifier used
Optical fiber head		
	Angle of dispersion	60°
	Integrated lens	No
	Compatibility tip adapters	No
Optical fiber		
	Adapter end sleeves required	No

Mechanics

Optical fiber head	Light emission	Axial
Optical fiber	Fiber length	3,490 mm
	Dynamic flexibility (robotics)	No
	Outside diameter, optical fiber cable connection	2.2 mm
	Fiber arrangement	Multi-fiber
	Core structure	Multi-fiber
Weight		13 g

Sensing ranges with GLL170

Operating mode 250 µs	94 mm
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Sensing ranges with GLL170T

Operating mode 50 µs	77 mm
Operating mode 250 µs	162 mm

Classifications

ECLASS 5.0	27270905
ECLASS 5.1.4	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

## 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)