

LLSE-R1300111020C2

LLX

FIBERS

**SICK**  
Sensor Intelligence.



Illustration may differ

### Ordering information

Type	Part no.
LLSE-R1300111020C2	2115018

**Included in delivery:** LLAC-FC (1)

Other models and accessories → [www.sick.com/LLX](http://www.sick.com/LLX)

### Detailed technical data

#### Features

<b>Device type</b>	Fibers
<b>Functional principle</b>	Through-beam system
<b>Fiber-optic cable cuttable</b>	✓
<b>Adapter sleeves required</b>	No
<b>Items supplied</b>	1 x fiber cutter (LLAC-FC), M3 mounting set (4 x M3 nut + 4 x M3 washer)

#### Mechanical data

<b>Housing</b>	Cylindrical with thread
<b>Design detail</b>	Radial
<b>Thread diameter (housing)</b>	M3
<b>Connection detail</b>	
Cable diameter	2,2 mm
Length of cable (L)	2 m
Bending radius	2 mm
<b>Material</b>	
Housing	Stainless steel, Stainless steel V2A (1.4301)
Cable	Plastic PE
Fibers	Plastic, PMMA
<b>Fiber diameter (and quantity of fibers)</b>	1 mm

#### Ambient data

<b>Ambient operating temperature</b>	-40 °C ... +60 °C
<b>RoHS certificate</b>	✓

#### 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 WLL180T

<b>Operating mode 16 µs</b>	140 mm
<b>Operating mode 70 µs</b>	400 mm
<b>Operating mode 250 µs</b>	600 mm
<b>Operating mode 2 ms</b>	1,400 mm
<b>Operating mode 8 ms</b>	2,000 mm

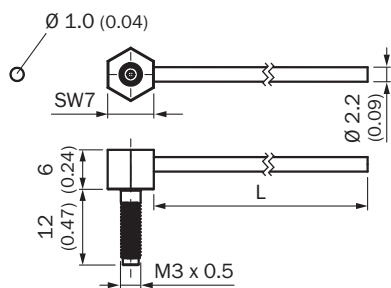
Sensing ranges with GLL170

<b>Operating mode 250 µs</b>	240 mm
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Sensing ranges with GLL170T

<b>Operating mode 50 µs</b>	300 mm
<b>Operating mode 250 µs</b>	490 mm


Dimensional drawing (Dimensions in mm (inch))



For length of cable (L), see technical data

### Recommended accessories

Other models and accessories → [www.sick.com/LLX](http://www.sick.com/LLX)

	Brief description	Type	Part no.
Other adapters			
	Fiber cutting tool, in LLX scope of delivery	LLAC-FC	2119448

## 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)