



fibers LL3, Fibers, through-beam system

LL3-TH01



Model Name > [LL3-TH01](#)
Part No. > [5308064](#)



At a glance

- Heat-resistant plastic and glass fiber-optic cables
- Glass fiber-optic cable with metallic sheath
- Suitable for high-temperature applications up to +350°C

Your benefits

- Very large selection of fiber-optic cables with plastic and glass fibers, giving users more application flexibility
- Resistant to damage caused by mechanical and chemical stress, as well as high temperatures
- Standard and customer-specific types
- Simple installation saves time
- For detection of objects, surfaces, leading edges, and fluid levels

Features

For fiber-optic sensor:	WLL160(T), WLL170-2/WLL170T-2, WLL180T, WLL190T-2
Device type:	Fibers
Jacket material:	PE
Core material:	PC
Sleeve material:	CuZn
Diameter, connection:	2.2 mm
Mounting sleeve dimension:	M4
Bend radius, fibre-optic cable:	25 mm
Heat resistance:	100 °C
Ambient operating temperature:	-40 °C ... 100 °C
Minimal object diameter:	0.2 mm ¹⁾
Core structure:	Ø 1 mm
Fiber-optic cable cuttable ²⁾ :	✓
Thread sleeve:	✓
Sleeve:	-
Suitable tip adaptor:	LL3-TA01, LL3-TA02
90° offset:	-
Flat housing:	-
High flexible:	-
Long end sleeve:	-
Array:	-
High temperature:	✓
Oil/chemical resistant:	-
Lcd/clear material/semiconductor:	-

Vacuum:	-
Robotics:	-
Retro-reflective:	-
Liquid level:	-
Special features:	Temperature-resistant up to 100 °C
Category fiber-optic cables:	Threaded sleeve, Heat-resistant
Fiber length:	2,000 mm

¹⁾ Minimum detectable object was determined at optimal measuring distance and optimal setting ²⁾ FC fiber optic cable cutter included in delivery

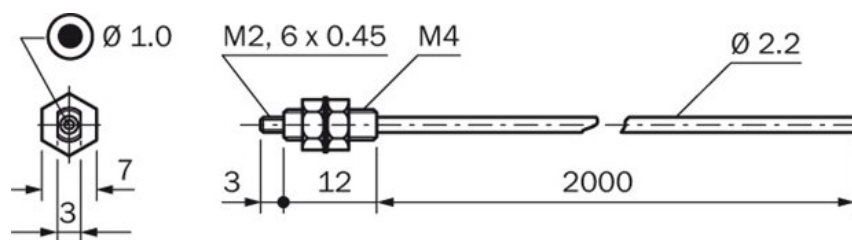
Sensing range with WLL180T

Operating mode 16 µs:	55 mm
Operating mode 70 µs:	180 mm
Operating mode 250 µs:	320 mm
Operating mode 2 ms:	680 mm
Operating mode 8 ms:	1,000 mm

Sensing range with WLL170-2

Redlight 250 µs:	305 mm
Greenlight 250 µs:	50 mm
Highspeed 50 µs:	125 mm

Dimensional drawing



All dimensions in mm

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