



fibers
LL3, Fibers, through-beam system

LL3-TH01-05



Model Name > [LL3-TH01-05](#)
Part No. > [5329380](#)



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 temperature operation:	-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:	5,000 mm

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

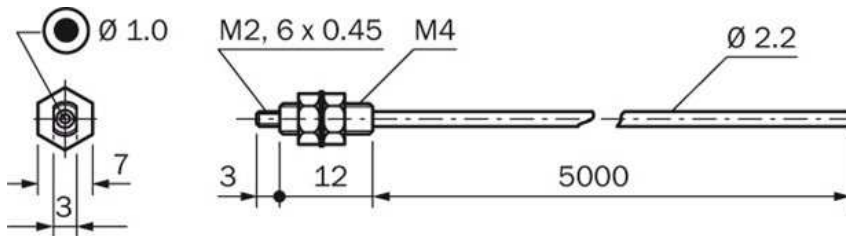
Sensing range with WLL180T

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



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