



fibers LL3, Fibers, through-beam system

LL3-TH16



Model Name > [LL3-TH16](#)
Part No. > [5325976](#)



At a glance

- Space-saving installation
- Axial cable outlet is available which prevents loops and potential damage to the cable

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:	WLL170-2/WLL170T-2, WLL180T, WLL190T-2
Device type:	Fibers
Jacket material:	Stainless steel
Core material:	Glass
Sleeve material:	Brass (Br)
Diameter, connection:	2.2 mm
Mounting sleeve dimension:	Ø 3,8 mm
Bend radius, fibre-optic cable:	25 mm
Heat resistance:	200 °C
Ambient operating temperature:	-60 °C ... 200 °C
Minimal object diameter:	0.16 mm ¹⁾
Core structure:	0.8 mm
Fiber-optic cable cuttable ²⁾ :	✓
Thread sleeve:	-
Sleeve:	-
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:	-
Category fiber-optic cables:	90° deflection, 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

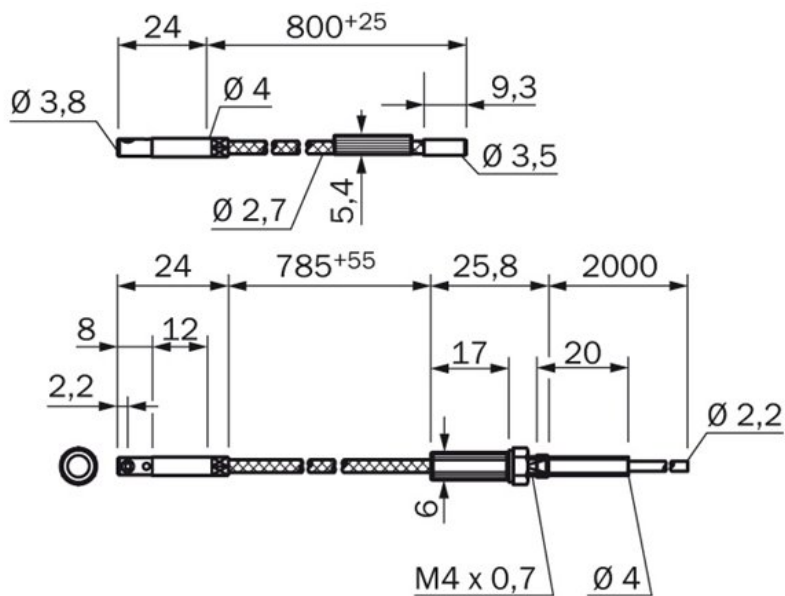
Sensing range with WLL180T

Operating mode 16 µs:	90 mm
Operating mode 70 µs:	290 mm
Operating mode 250 µs:	480 mm
Operating mode 2 ms:	970 mm
Operating mode 8 ms:	1,000 mm

Sensing range with WLL170-2

Redlight 250 µs:	170 mm
Greenlight 250 µs:	110 mm
Highspeed 50 µs:	75 mm

Dimensional drawing



Alle Maße in mm

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