



**fibers**  
**LL3, Fibers, through-beam system**

LL3-TW01-2



**Model Name** > [LL3-TW01-2](#)  
**Part No.** > [5321306](#)



**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:	Stainless steel
Core material:	Glass
Sleeve material:	Stainless steel
Diameter, connection:	3 mm
Mounting sleeve dimension:	M4
Bend radius, fibre-optic cable:	25 mm
Heat resistance:	200 °C
Ambient temperature operation:	-40 °C ... 200 °C
Minimal object diameter:	0.4 mm <sup>1)</sup>
Core structure:	Ø 1.5 mm (multi-fiber)
Fiber-optic cable cuttable:	-
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:	-

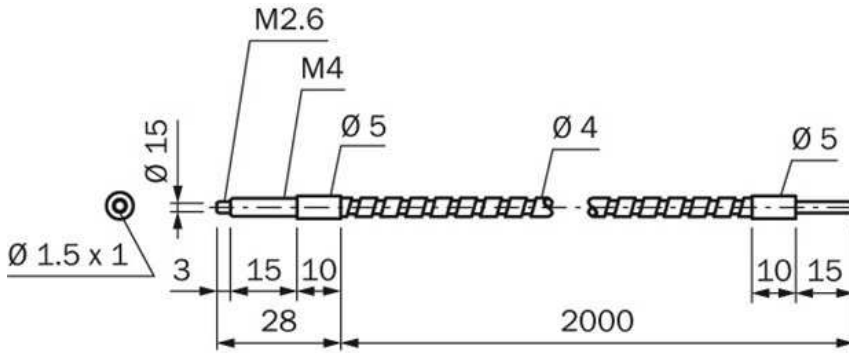
Vacuum:	-
Robotics:	-
Retro-reflective:	-
Liquid level:	✓
Category fiber-optic cables:	Liquid level, Threaded sleeve, Heat-resistant
Fiber length:	2,000 mm

1) Minimum detectable object was determined at optimal measuring distance and optimal setting

### Sensing range with WLL180T

Operating mode 16 µs:	80 mm
Operating mode 70 µs:	230 mm
Operating mode 250 µs:	350 mm
Operating mode 2 ms:	560 mm
Operating mode 8 ms:	980 mm

### Dimensional drawing



All dimensions in mm

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