



fibers
LL3, Fibers, through-beam system

LL3-TY03



Model Name > [LL3-TY03](#)
Part No. > [5325982](#)



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:	WLL160(T), WLL170-2/WLL170T-2, WLL180T, WLL190T-2
Device type:	Fibers
Jacket material:	PTFE
Core material:	PMMA
Sleeve material:	PFA
Diameter, connection:	2.2 mm
Mounting sleeve dimension:	Ø 6 mm
Bend radius, fibre-optic cable:	20 mm
Bend radius, end sleeve:	20 mm
Heat resistance:	70 °C
Ambient temperature operation:	-55 °C ... 70 °C
Minimal object diameter:	0.3 mm ¹⁾
Core structure:	1.0 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:	-
Special features:	Teflon sheathing: chemically resistant
Category fiber-optic cables:	90° deflection, Resistant to oil/chemicals
Fiber length:	3,000 mm

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

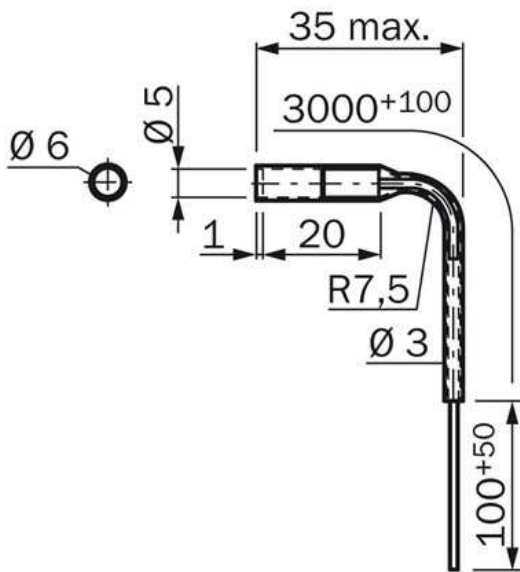
Sensing range with WLL180T

Operating mode 16 µs:	460 mm
Operating mode 70 µs:	1,400 mm
Operating mode 250 µs:	2,500 mm
Operating mode 2 ms:	4,000 mm
Operating mode 8 ms:	4,000 mm

Sensing range with WLL170-2

Redlight 250 µs:	1,000 mm
Greenlight 250 µs:	450 mm
Highspeed 50 µs:	350 mm

Dimensional drawing



Alle Maße in mm

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