



fibers LL3, Fibers, through-beam system

LL3-TG03



Model Name > [LL3-TG03](#)
Part No. > [5325942](#)



At a glance

- Detection of glass substrates
- Detection of solar wafers
- Indexation in FOUP for example

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:	PE
Core material:	PMMA
Sleeve material:	Head: stainless steel, bracket: PC
Diameter, connection:	2.2 mm
Mounting sleeve dimension:	Ø 4 mm
Bend radius, fibre-optic cable:	25 mm
Heat resistance:	60 °C
Ambient operating temperature:	-40 °C ... 60 °C
Minimal object diameter:	0.06 mm ¹⁾
Core structure:	0.75 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:	-

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

Operating mode 16 μ s:	570 mm
Operating mode 70 μ s:	1,980 mm
Operating mode 250 μ s:	2,400 mm
Operating mode 2 ms:	4,000 mm
Operating mode 8 ms:	4,000 mm

Redlight 250 μ s:	1,000 mm
Greenlight 250 μ s:	700 mm
Highspeed 50 μ s:	450 mm

Technical drawing of a mechanical part with dimensions:

- Overall length: 2000
- Section 1: 25 (total length), 3 (width), 12 (width), 20 (width)
- Section 2: Ø 4 (diameter)
- Section 3: Ø 2.2 (diameter)

fibers

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