



fibers
LL3, Fibers, proximity system

LL3-DB06



Model Name > [LL3-DB06](#)
Part No. > [5326006](#)



At a glance

- Sensor tip can be positioned closely to the object
- Flexible end sleeve is available as an option
- Extremely narrow access to place of detection

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:	PMMA
Sleeve material:	Stainless steel
Diameter, connection:	2.2 mm
Mounting sleeve dimension:	M6
Bend radius, fibre-optic cable:	25 mm
Bend radius, end sleeve:	10 mm
Heat resistance:	60 °C
Ambient operating temperature:	-40 °C ... 70 °C
Minimal object diameter:	0.02 mm ¹⁾
Core structure:	2 x 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:	-

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:	60 mm
Operating mode 70 μ s:	210 mm
Operating mode 250 μ s:	360 mm
Operating mode 2 ms:	700 mm
Operating mode 8 ms:	760 mm

Redlight 250 μ s:	150 mm
Greenlight 250 μ s:	40 mm
Highspeed 50 μ s:	60 mm

Technical drawing of a cable assembly with dimensions and labels:

- Top left: $\emptyset 1 \times 2$
- Top left: 8
- Top left: 5.5
- Top left: 10
- Top left: 40
- Top left: 15
- Top left: 2000
- Top left: 5
- Top left: 10
- Top left: 20
- Top left: 75
- Top left: 1)
- Top left: $\emptyset 2.5$
- Top left: $\emptyset 3.5$
- Top left: $M6 \times 0.75$
- Top left: 1) bendable
- Top left: $\emptyset 6$
- Top left: $\emptyset 2.2 \times 2$
- Bottom: All dimensions in mm

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