



fibers
LL3, Fibers, proximity system

LL3-DY01



Model Name > [LL3-DY01](#)
Part No. > [5308093](#)



At a glance

- PTFE sheath
- Resistant to a wide range of chemicals and cleaning agents
- Suitable for the food and beverage industry

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:	PTFE
Diameter, connection:	6 mm
Mounting sleeve dimension:	Ø 6 mm
Bend radius, fibre-optic cable:	60 mm
Heat resistance:	100 °C
Ambient operating temperature:	-40 °C ... 100 °C
Minimal object diameter:	0.02 mm ¹⁾
Core structure:	2 x : Ø 1,0 mm ²⁾
Fiber-optic cable cuttable ³⁾ :	-
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:	Special application: Teflon-coating, chemically resistant
Category fiber-optic cables:	Resistant to oil/chemicals, PTFE
Fiber length:	2,000 mm

¹⁾ Minimum detectable object was determined at optimal measuring distance and optimal setting ²⁾ C = Coaxial, S = Sender, E = Receiver ³⁾ FC fiber optic cable cutter included in delivery

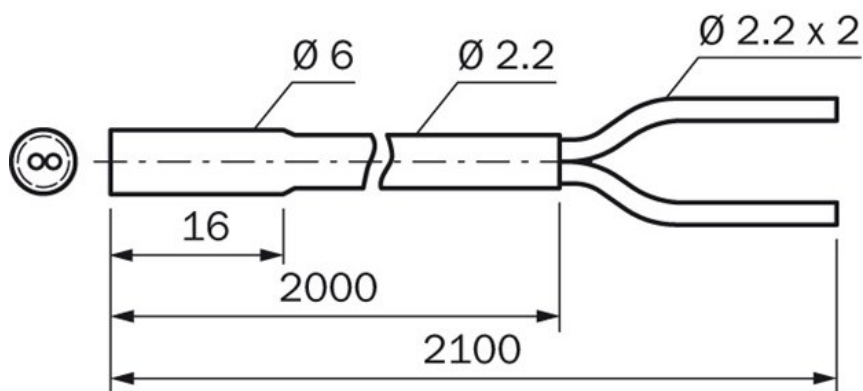
Sensing range with WLL180T

Operating mode 16 μ s:	100 mm
Operating mode 70 μ s:	180 mm
Operating mode 250 μ s:	200 mm
Operating mode 2 ms:	150 mm
Operating mode 8 ms:	280 mm

Sensing range with WLL170-2

Redlight 250 μ s:	50 mm
Greenlight 250 μ s:	12 mm
Highspeed 50 μ s:	27 mm

Dimensional drawing



All dimensions in mm

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