



fibers
LL3, Fibers, proximity system

LL3-DH01



Model Name > [LL3-DH01](#)
Part No. > [5308091](#)



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:	FEP
Core material:	Si
Sleeve material:	Stainless steel ¹⁾
Diameter, connection:	2.2 mm
Mounting sleeve dimension:	M6
Bend radius, fibre-optic cable:	35 mm
Heat resistance:	180 °C
Ambient temperature operation:	-40 °C ... 180 °C
Minimal object diameter:	0.015 mm ²⁾
Core structure:	2 x : Ø 1,5 mm ³⁾
Fiber-optic cable cuttable ⁴⁾ :	✓
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 applications: temperature-resistant up to 180 , maximum sensing range
 Category fiber-optic cables: Threaded sleeve, Heat-resistant
 Fiber length: 2,000 mm

1) Stainless steel 2) Minimum detectable object was determined at optimal measuring distance and optimal setting 3) C = Coaxial, S = Sender, E = Receiver 4) FC

fiber optic cable cutter included in delivery

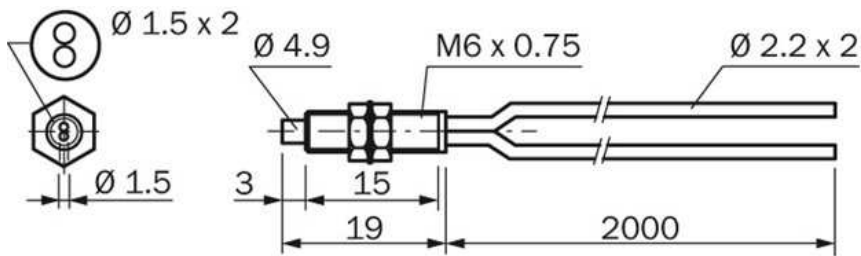
Sensing range with WLL180T

Operating mode 16 µs:	120 mm
Operating mode 70 µs:	350 mm
Operating mode 250 µs:	600 mm
Operating mode 2 ms:	980 mm
Operating mode 8 ms:	1,500 mm

Sensing range with WLL170-2

Redlight 250 µs:	220 mm
Greenlight 250 µs:	45 mm
Highspeed 50 µs:	95 mm

Dimensional drawing



All dimensions in mm

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