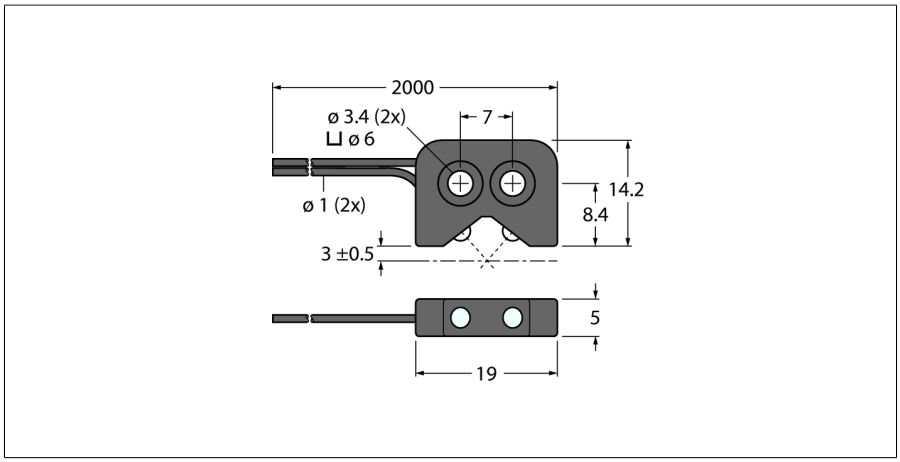
Plastic Fiber
Single Conductor — Jacketed Optical Cable Made of Plastic Fiber
P12-C1



- Operating mode: Convergent mode sensor
- 1 pcs. included in delivery
- Polyethylene jacket, flexible
- Operating temperature: -30…+70 °C
- Cable, straight, customizable
- End sleeve for probe, rectangular, convergent
- Optical fiber, total length: ± 1829 mm

Functional principle

Glass or plastic fibers are the optimum choice for high-temperature applications and limited spaces. They transfer the light from the sensor to a remote object. Individual fibers are used for opposed mode sensing, whereas bifurcated fibers are suited for retroreflective or diffuse mode operation.

Type	P12-C1
ID	3051832

Optical data	
Function	Opposed mode sensor (emitter/receiver)
Fiber-optic type	Plastic

Mechanical data	
Design	Rectangular
Housing material	Plastic, PE, Black
Jacket material	Polyethylene
Jacket material	plastic, PE
Material of the fiber-optic tip	Polyethylene
Bending cycles	2000
Bending radius	Ø 1 mm
Ambient temperature	-30…+70 °C
Max. temperature tip	70 °C

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