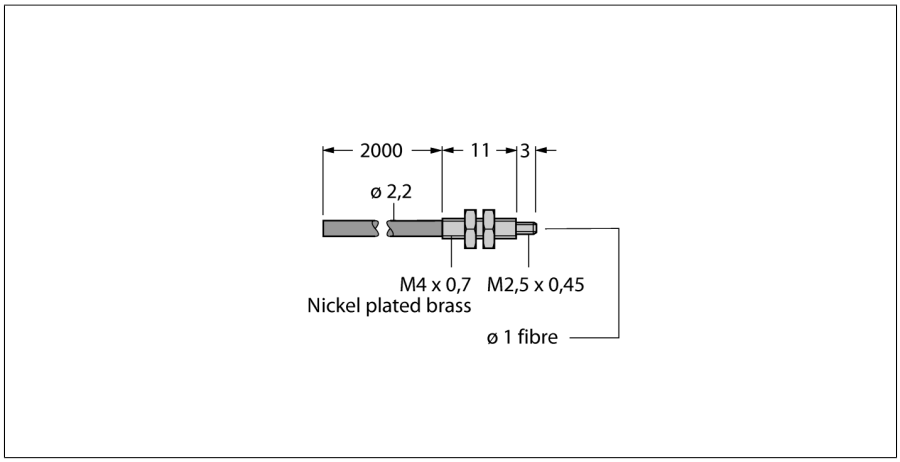
Plastic Fiber
Single Conductor — Jacketed Optical Cable Made of Plastic Fiber
PIT46UHF



- Operation: opposed mode
- 2 pcs. included in delivery
- Polyethylene sheath, flexible
- Operating temperature: -30…+70 °C
- DURA-BEND cable, highly flexible, multiple-core, customizable
- End sleeve for sensor: Thread
- Optical fiber, core diameter 1.0 mm
- 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	PIT46UHF
ID	3051783

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

Mechanical data	
Design	Circular
Housing material	Plastic, PE, Black
Jacket material	Polyethylene
Jacket material	plastic, PE
Bundle diameter	1 mm
Material of the fiber-optic tip	Nickel-Plated Brass
Bending cycles	1000
Bending radius	Ø 2 mm
Ambient temperature	-30…+70 °C
Max. temperature tip	70 °C

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