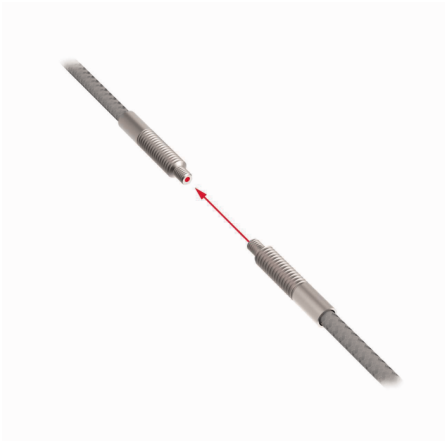
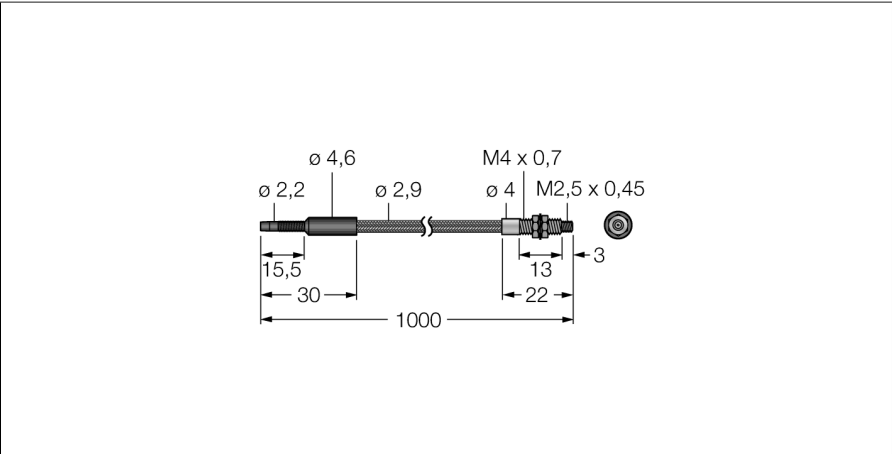


Plastic Fiber

Single Conductor — Jacketed Optical Cable Made of Plastic Fiber

PIT43TMB5



Type	PIT43TMB5
ID	3070766
Optical data	
Function	Opposed mode sensor (emitter/receiver)
Fiber-optic type	Plastic
Mechanical data	
Design	Circular
Housing material	Plastic, PE, Black
Jacket material	STEELSKIN
Jacket material	metal, 1.4310 (AISI 301)
Bundle diameter	1 mm
Material of the fiber-optic tip	Stainless Steel
Bending cycles	1000
Bending radius	Ø 12 mm
Ambient temperature	-30...+70 °C
Max. temperature tip	70 °C

- Operation: opposed mode
- 2 pcs. included in delivery
- Polyethylene sheath, flexible
- Operating temperature: -30...+70 °C
- SteelSkin sheath, terminated
- End sleeve for sensor: Thread
- Optical fiber, core diameter 1.0 mm
- Optical fiber, total length: ± 914 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.