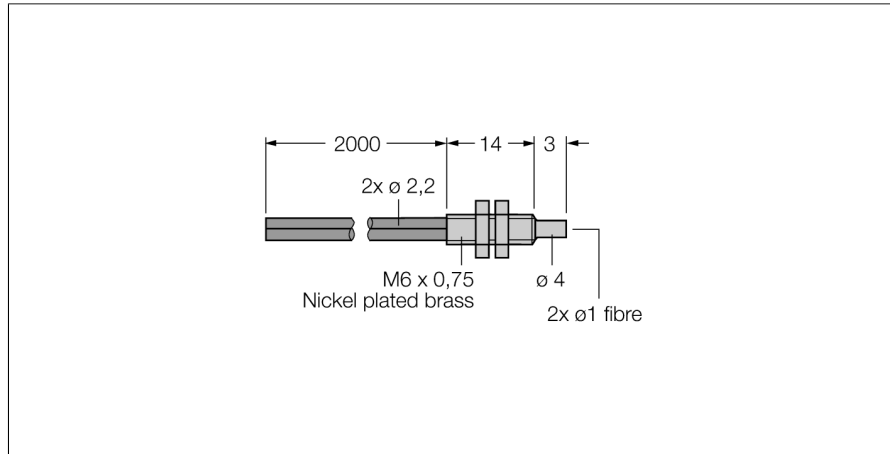


# Plastic Fiber Bifurcated Fiber PBT46U



- Operation: diffuse/opposed mode
- Polyethylene sheath, flexible
- Operating temperature: -30...+70 °C
- Cable, straight, customizable
- End sleeve for probe, M6 × 0.75 threaded
- 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	PBT46U
ID	3025967
<b>Optical data</b>	
Function	Diffuse mode sensor
Fiber-optic type	Plastic
<b>Mechanical data</b>	
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	5000
Bending radius	Ø 25 mm
Ambient temperature	-30...+85 °C
Max. temperature tip	70 °C