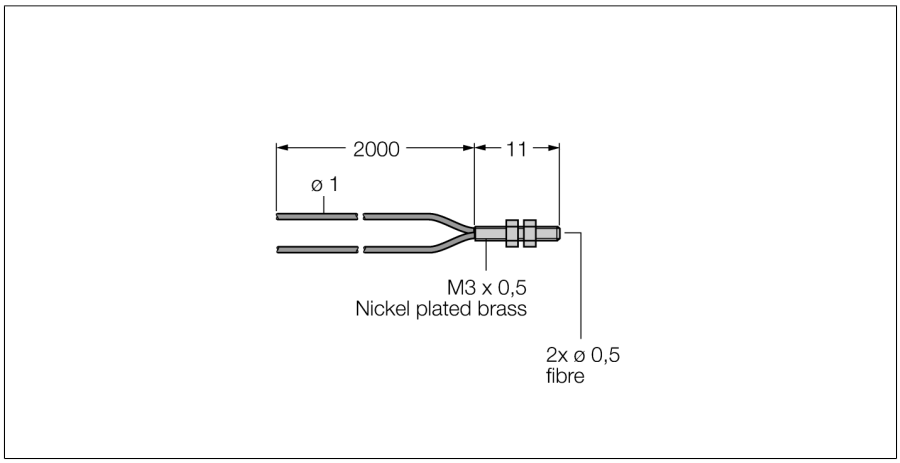
# Plastic Fiber
# Bifurcated Fiber
# PBT26U




- Operation: diffuse/opposed mode
- Polyethylene sheath, flexible
- Operating temperature: -30…+70 °C
- Cable, straight, customizable
- End sleeve for probe, M3 × 0.5 threaded
- Optical fiber, core diameter 0.5 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 | PBT26U |
| ID | 3026080 |

| Optical data | |
|---|---|
| Function | Diffuse mode sensor |
| Fiber-optic type | Plastic |

| Mechanical data | |
|---|---|
| Design | Circular |
| Housing material | Plastic, PE, Black |
| Jacket material | Polyethylene |
| Jacket material | plastic, PE |
| Bundle diameter | 0.5 mm |
| Material of the fiber-optic tip | Nickel-Plated Brass |
| Bending cycles | 10000 |
| Bending radius | Ø 10 mm |
| Ambient temperature | -30…+70 °C |
| Max. temperature tip | 70 °C |

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