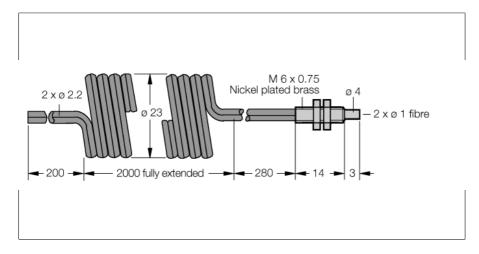


Plastic Fiber Bifurcated Fiber PBT46UC



| Туре | PBT46UC |
|---------------------------------|------------------------|
| ID | 3026086 |
| | |
| 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 | 1 mm |
| Material of the fiber-optic tip | Nickel-Plated Brass |
| Bending cycles | 10000 |
| Bending radius | Ø 25 mm |
| Ambient temperature | -30+70 °C |
| Max. temperature tip | 70 °C |
| | |
| Special features | Movable back and forth |

- Operation: diffuse/opposed mode
- Polyethylene sheath, flexible
- Operating temperature: -30...+70 °C
- Coiled, customizable cable
- 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.