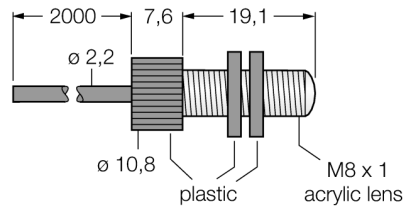


# Plastic Fiber Single Conductor PIL46U



- Operation: opposed mode
- 2 pcs. included in delivery
- Polyethylene sheath, flexible
- Operating temperature: -30...+70 °C
- Cable, straight, customizable
- Integrated lens LO8FP
- 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                            | PIL46U                                 |
| ID                              | 3034080                                |
| 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 | Polyethylene                           |
| Bending cycles                  | 10000                                  |
| Bending radius                  | Ø 25 mm                                |
| Ambient temperature             | -30...+70 °C                           |
| Max. temperature tip            | 70 °C                                  |