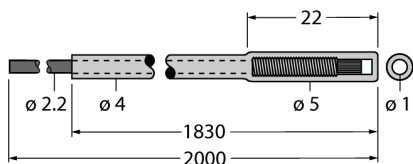


Plastic Fiber
Single Conductor
PIE46UT



- Operation: opposed mode
- 2 pcs. included in delivery
- Polyethylene sheath, flexible
- Operating temperature: -30...+70 °C
- Male end, pluggable
- Fully potted PTFE
- Integrated lens L2
- 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	PIE46UT
ID	3048040
Optical data	
Function	Opposed mode sensor (emitter/receiver)
Fiber-optic type	Plastic
Mechanical data	
Design	Circular
Housing material	Plastic, PE, Black
Jacket material	FEP
Jacket material	plastic, PE
Bundle diameter	1 mm
Material of the fiber-optic tip	FEP
Bending cycles	10000
Bending radius	Ø 25 mm
Ambient temperature	-30...+70 °C
Max. temperature tip	70 °C
Protection class	IP67
Special features	
Chemical-resistant	
Resistant to chemicals	