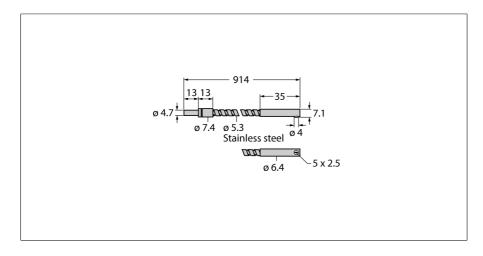


## Glass Fiber Single Conductor IAR.753SMTA



Туре	IAR.753SMTA
ID	3021355
Optical data	
Function	Opposed mode sensor (emitter/receiver)
Fiber-optic type	Glass
Mechanical data	
Housing material	Stainless steel
Jacket material	Stainless-steel mono-winding coil
Jacket material	metal, 1.4310 (AISI 301)
Bundle diameter	1.2 mm
Material of the fiber-optic tip	Stainless Steel
Bending radius	Ø 25 mm
Ambient temperature	-140+249 °C
Max. temperature tip	249 °C

- Operating mode: Opposed mode sensor
- Stainless steel jacket, flexible
- Operating temperature of fiber-optic jacket: -140...+249 °C
- End sleeve for sensor: Stainless steel, angled (90 °), rectangular beam exit
- Operating temperature of fiber-optic tip: -140...+249 °C
- Optical fiber, bundle diameter: 1.2 mm
- Optical fiber, total length: ± 914 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.