

# FSF 050A1002

Glass fiber optic cable

Article number: 10210319

## Overview

- Through-beam type
- Actual range up to 450 mm
- Threaded sensing head M4
- Metal jacket 50 cm long
- Operating temperature up to +250 °C
- For rugged fiber optic sensors FZAM 18 and FZAM 30

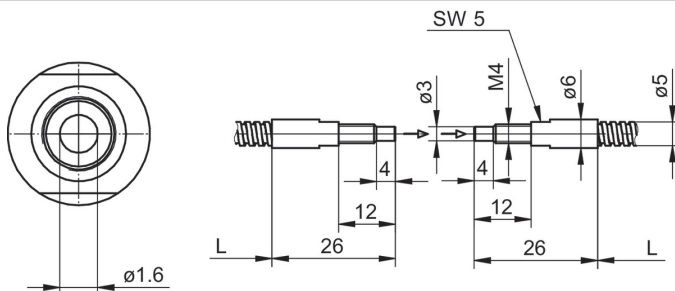


Picture similar

## Technical data

General data		Mechanical data	
Operating principle	Through-beam type	Width / diameter (head)	4 mm
Actual range Sb	450 mm	Height / length (head)	26 mm
Fiber optic head	Cylindrical threaded	Material (head)	Brass
Operating temperature	-25 ... +250 °C	Thread	M4 x 0.7
Exit angle	60°	Bending radius (fixed)	15 mm
Fiber optics can be shortened to length	No	Bending radius (mobile)	30 mm
Integrated lens	No	Cable jacket diameter	5 mm
Adaptable lens	Yes	Material cable jacket	Brass chromium plated
Infrared light compatibility (1450 nm)	Yes	Fiber cross section	2 mm <sup>2</sup>
Smallest object recognizable	0.1 mm	Material (fiber optic cable)	Glass
		Length (fiber optic cable)	50 cm

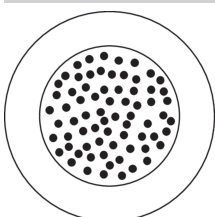
## Dimension drawing



## Actual range diagram

Sensor	Actual Range Sb [mm]
FZAM 30x5004	450
FZAM 30x5001	380
FZAM 18x1150 & FZAM 18x6460	450
FZAM 18x1155	180

## Fiber arrangement



## Accessories

### Fitting fiber optic sensors

10129020	FZAM 18N1150
10129021	FZAM 18N1150/S14
10129023	FZAM 18N1155
10128874	FZAM 18N6460
10128875	FZAM 18N6460/S14
10127712	FZAM 18P1150
10128111	FZAM 18P1150/S14
10127711	FZAM 18P1155
10128118	FZAM 18P6460
10127710	FZAM 18P6460/S14
10215060	FZAM 30N5004
10214166	FZAM 30P5001
10215057	FZAM 30P5004

### Mounting accessories

10102757	Adapter series 30
10101958	Adjusting plate series 18
10101480	Replacements cap nut for fiber optics series 18
10102801	Cap nut for sensors series 30

### Lenses and components

10119909	Doubling lens M4 increases the actual range (paires)
----------	--