

# FUE 050A3001

Glass fiber optic cable

Article number: 10258785

## Overview

- Diffuse type
- Sensing distance up to 210 mm
- Rectangular sensing head 10 mm, array width 8 mm
- Plastic jacket 50 cm long
- Operating temperature up to +70 °C
- For rugged fiber optic sensors FZAM 18 and FZAM 30

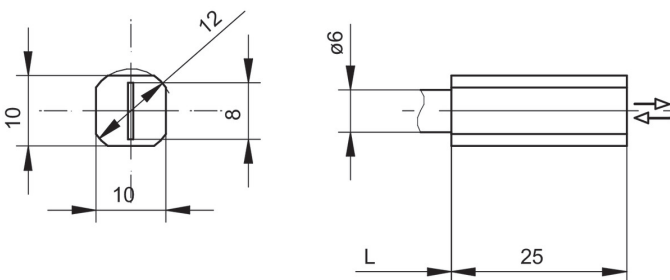


Picture similar

## Technical data

General data		Mechanical data	
Operating principle	Diffuse type	Array width	8 mm
Sensing distance Tw	210 mm	Width / diameter (head)	10 mm
Fiber optic head	Rectangular	Height / length (head)	25 mm
Operating temperature	-25 ... +70 °C	Depth (head)	16
Exit angle	60°	Material (head)	Aluminum
Fiber optics can be shortened to length	No	Bending radius (fixed)	18 mm
Integrated lens	No	Bending radius (mobile)	36 mm
Adaptable lens	No	Cable jacket diameter	6 mm
Infrared light compatibility (1450 nm)	Yes	Material cable jacket	PUR
Smallest object recognizable	0.1 mm	Fiber cross section	3 mm <sup>2</sup>
		Material (fiber optic cable)	Glass
		Length (fiber optic cable)	50 cm

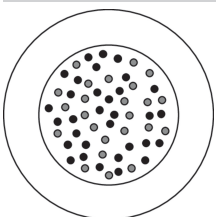
## Dimension drawing



## Sensing distance diagram

Sensor	Sensing Distance Tw [mm]
FZAM 30x5004	210
FZAM 30x5001	100
FZAM 18x1150 & FZAM 18x6460	150
FZAM 18x1155	60

## 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