Baumer
Passion for Sensors

Fiber optic cables

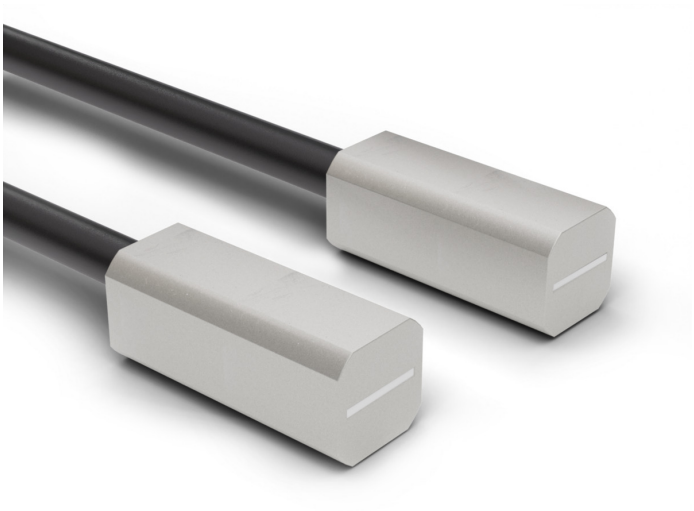
# FSE 050A3020

Glass fiber optic cable

Article number: 11730043

## Overview

- Through-beam type
- Actual range up to 500 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



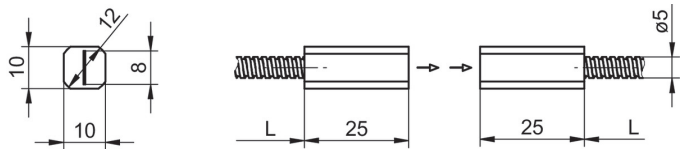
*Picture similar*

## Technical data

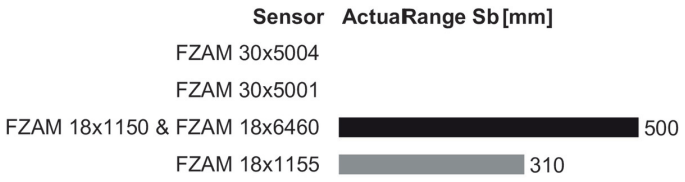
| General data | |
|---|---|
| Particular characteristics | Array (fine light barrier) |
| Operating principle | Through-beam type |
| Fiber optic head | Rectangular |
| Operating temperature | -25 … +70 °C |
| Exit angle | 60° |
| Fiber optics can be shortened to length | No |
| Integrated lens | No |
| Adaptable lens | No |
| Infrared light compatibility (1450 nm) | Yes |

| Mechanical data | |
|---|---|
| Array width | 8 mm |
| Width / diameter (head) | 10 mm |
| Height / length (head) | 10 mm |
| Depth (head) | 25 mm |
| Material (head) | Aluminum |
| Bending radius (fixed) | 15 mm |
| Bending radius (mobile) | 30 mm |
| Cable jacket diameter | 5 mm |
| Material cable jacket | PUR |
| Material (fiber optic cable) | Glass |
| Length (fiber optic cable) | 50 cm |

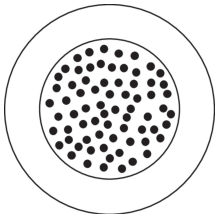
## Dimension drawing




## Actual range diagram




## Fiber arrangement



2025-05-13 The product features and technical data specified do not express or imply any warranty. Technical modifications subject to change.

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## 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 |

## Scope of delivery

1x fiber optic cable, 1x cap nut for fiber optics series 18, 1x adjusting plate series 18

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