

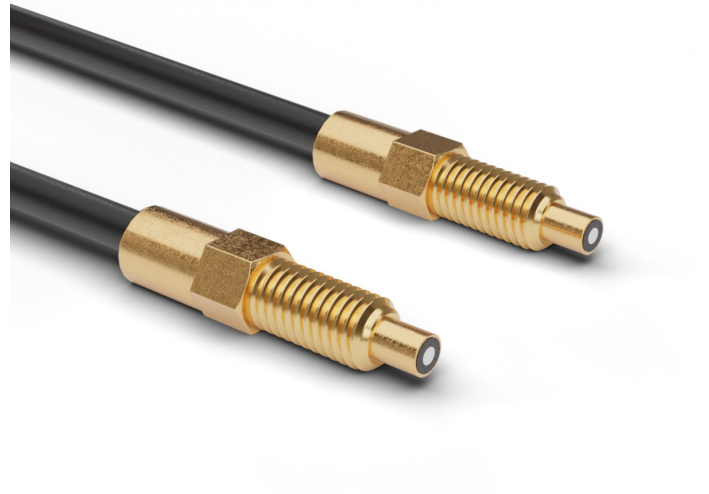
FSE 050A1006

Glass fiber optic cable

Article number: 10221033

Overview

- Through-beam type
- Actual range up to 450 mm
- Threaded sensing head M4
- 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

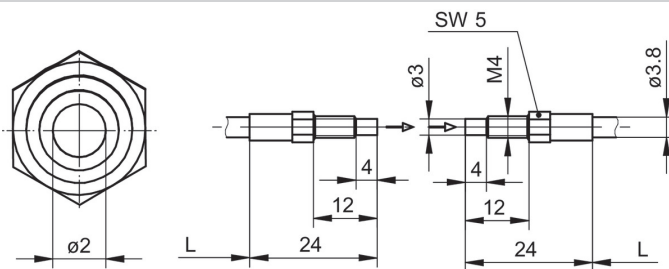
General data

| | |
|---|----------------------|
| Operating principle | Through-beam type |
| Actual range Sb | 450 mm |
| Fiber optic head | Cylindrical threaded |
| Operating temperature | -25 ... +70 °C |
| Exit angle | 60° |
| Fiber optics can be shortened to length | No |
| Integrated lens | No |
| Adaptable lens | Yes |
| Infrared light compatibility (1450 nm) | Yes |

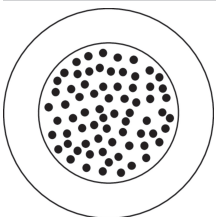
Mechanical data

| | |
|------------------------------|-------------------|
| Width / diameter (head) | 4 mm |
| Height / length (head) | 24 mm |
| Material (head) | Brass |
| Thread | M4 x 0.7 |
| Bending radius (fixed) | 13.5 mm |
| Bending radius (mobile) | 27 mm |
| Cable jacket diameter | 4.5 mm |
| Material cable jacket | PVC |
| Fiber cross section | 2 mm ² |
| Material (fiber optic cable) | Glass |
| Length (fiber optic cable) | 50 cm |

Dimension drawing



Fiber arrangement



Actual range diagram

| Sensor | ActuaRange Sb [mm] |
|-----------------------------|--------------------|
| FZAM 30x5004 | 450 |
| FZAM 30x5001 | 380 |
| FZAM 18x1150 & FZAM 18x6460 | 450 |
| FZAM 18x1155 | 180 |

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

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