

# FCE 050C1Y10

Plastic fiber optic cable

Article number: 10135305

## Overview

- Diffuse type
- Sensing distance up to 151 mm
- Threaded sensing head M3, coaxial fiber layout for increased precision
- Bend-tolerant plastic fiber 50 cm long
- Operating temperature up to +70 °C
- For compact fiber optic sensors FVDK 10 and OF10



Picture similar

## Technical data

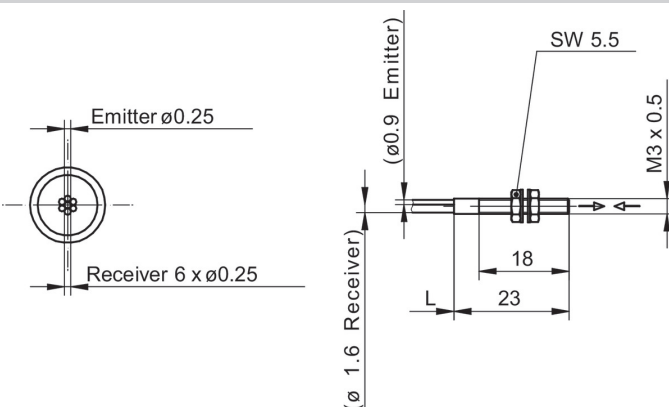
### General data

Particular characteristics	Coaxial fiber layout
Operating principle	Diffuse type
Sensing distance Tw	60 mm
Fiber optic head	Cylindrical threaded
Operating temperature	-30 ... +70 °C
Exit angle	60°
Fiber optics can be shortened to length	No
Integrated lens	No
Adaptable lens	No
Infrared light compatibility (1450 nm)	No
Smallest object recognizable	0.005 mm

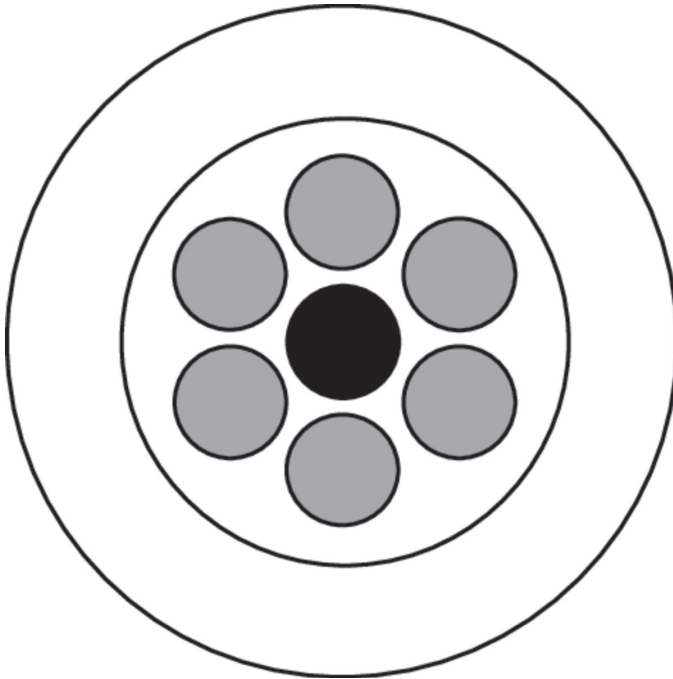
### Mechanical data

Diameter Fiber	0.25 mm
Width / diameter (head)	3 mm
Height / length (head)	23 mm
Material (head)	Stainless steel
Thread	M3 x 0.5
Bending radius (fixed)	4 mm
Cable jacket diameter	1.6 mm
Material cable jacket	PE
Material (fiber optic cable)	Plastic
Length (fiber optic cable)	50 cm

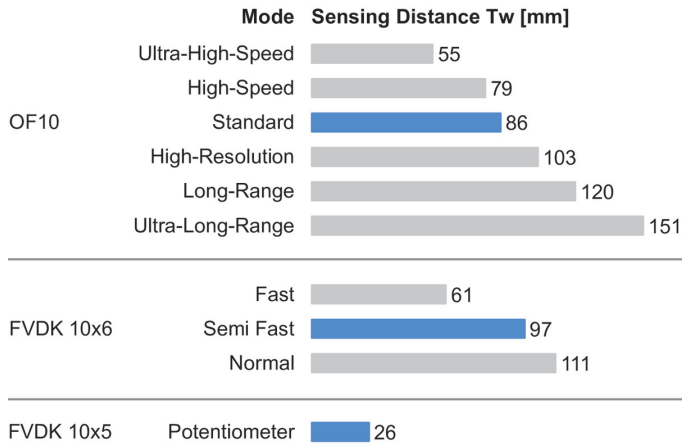
## Dimension drawing



**Fiber arrangement**



**Sensing distance diagram**



## Accessories

### Fitting fiber optic sensors

11252204	OF10.FR-GW2J.B2NV/A014
11244386	OF10.FR-GW2J.B2CV/A014
11224111	OF10.FR-PW1B.B2N
11224008	OF10.FR-NW1B.B2CV
11224009	OF10.FR-NW1B.B2N
11224110	OF10.FR-PW1B.B2CV
11244384	OF10.FR-GW2J.B2N/A014
10162867	FVDK 10N5101
10162865	FVDK 10N5101/S35A
10162866	FVDK 10P5101
10162864	FVDK 10P5101/S35A
11045446	FVDK 10N66Y0
11045448	FVDK 10N66Y0/S35A
11045460	FVDK 10N66YR
11045445	FVDK 10P66Y0
11045447	FVDK 10P66Y0/S35A
11045449	FVDK 10P66YR
11214490	FVDK 10P66ZR
11214493	FVDK 10P66Z0/S35A
11214478	FVDK 10P66Z0
11214492	FVDK 10N66ZR
11214494	FVDK 10N66Z0/S35A
11214479	FVDK 10N66Z0
11045462	FVDK 10N66YM
11045464	FVDK 10N66YS
11045461	FVDK 10P66YM
11045463	FVDK 10P66YS

### Lenses and components

10134544	Focusing lens M3 $\varnothing$ 0,1 mm
10134543	Focusing lens M3 $\varnothing$ 0,4 mm
10134542	Focusing lens M3 $\varnothing$ 2 mm