

# FCE 200DS301

Plastic fiber optic cable

Article number: 11708614

## Overview

- Diffuse type
- Sensing distance up to 240 mm
- Cylindrical smooth sensing head  $\varnothing 3$  mm with thin sleeve  $\varnothing 1.5$  mm, coaxial fiber layout for increased precision
- Plastic fiber 200 cm long, with bend protection
- Operating temperature up to  $+70$  °C
- For compact fiber optic sensors FVDK 10 and OF10



Picture similar

## Technical data

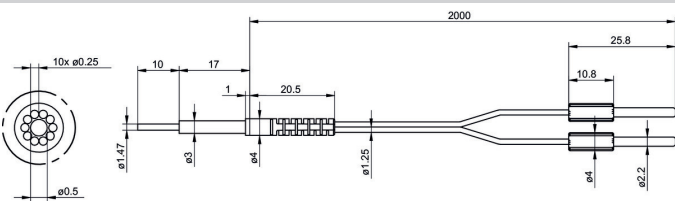
### General data

Operating principle	Diffuse type
Sensing distance Tw	240 mm
Fiber optic head	Cylindrical smooth, with sleeve
Operating temperature	$-55 \dots +70$ °C
Exit angle	$60^\circ$
Fiber optics can be shortened to length	Yes
Integrated lens	No
Adaptable lens	No
Infrared light compatibility (1450 nm)	No
Smallest object recognizable	0.005 mm

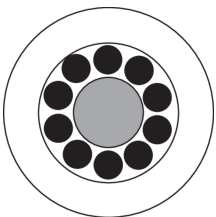
### Mechanical data

Diameter Fiber	0.5 mm
Width / diameter (head)	3 mm
Height / length (head)	25 mm
Material (head)	Stainless steel
Bending radius (fixed)	15 mm
Bending radius (mobile)	0 mm
Cable jacket diameter	1.25 mm
Material cable jacket	PE
Material (fiber optic cable)	Plastic
Length (fiber optic cable)	200 cm

## Dimension drawing



## Fiber arrangement



## Sensing distance diagram

	Mode	Sensing Distance Tw [mm]
OF10	Ultra-High-Speed	111
	High-Speed	142
	Standard	148
	High-Resolution	174
	Long-Range	202
	Ultra-Long-Range	240
FVDK 10x6	Fast	90
	Semi Fast	133
	Normal	147
FVDK 10x5	Potentiometer	26

## 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

### Mounting accessories

11708552	Cutting tool for plastic fiber optics
----------	---------------------------------------

### Lenses and components

11708559	Reduction tube
----------	----------------