

FCE 200DS300

Plastic fiber optic cable

Article number: 11708579

Overview

- Diffuse type
- Sensing distance up to 230 mm
- Cylindrical smooth sensing head $\varnothing 3$ 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

Particular characteristics	Smooth sensing head Coaxial fiber layout Bend protection
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Operating principle	Diffuse type
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Sensing distance Tw	230 mm
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Fiber optic head	Cylindrical smooth
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Operating temperature	-55 ... +70 °C
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Exit angle	60°
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Fiber optics can be shortened to length	Yes
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Integrated lens	No
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Adaptable lens	No
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Infrared light compatibility (1450 nm)	No
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General data

Smallest object recognizable	0.005 mm
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Mechanical data

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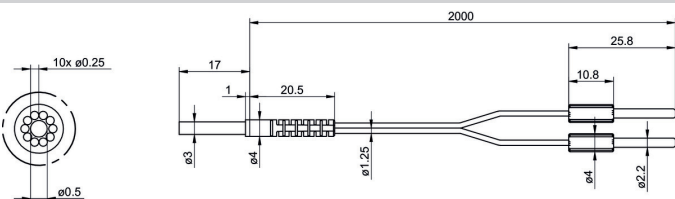
Cable jacket diameter	1.25 mm
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Material cable jacket	PE
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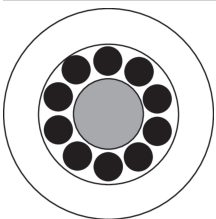
Material (fiber optic cable)	Plastic
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Length (fiber optic cable)	200 cm
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Dimension drawing



Fiber arrangement



Sensing distance diagram

	Mode	Sensing Distance Tw [mm]
OF10	Ultra-High-Speed	106
	High-Speed	134
	Standard	145
	High-Resolution	173
	Long-Range	197
	Ultra-Long-Range	230
FVDK 10x6	Fast	94
	Semi Fast	136
	Normal	153
FVDK 10x5	Potentiometer	26

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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	ZTOOL-FBR.CUTTER
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Lenses and components

11708559	ZADAP-FBR.1_3MM
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