

FCE 500E1Y00

Plastic fiber optic cable

Article number: 10152326

Overview

- Diffuse type
- Sensing distance up to 107 mm
- Threaded sensing head M3, coaxial fiber layout for increased precision
- Plastic fiber ultra-flexible 500 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 Ultra flexible
Coaxial fiber layout

Operating principle Diffuse type

Sensing distance Tw 107 mm

Fiber optic head Cylindrical threaded

Operating temperature -30 ... +70 °C

Exit angle 60°

Fiber optics can be shortened to length Yes

Integrated lens No

Adaptable lens No

Infrared light compatibility (1450 nm) No

General data

Smallest object recognizable 0.005 mm

Mechanical data

Diameter Fiber 0.5 mm

Width / diameter (head) 3 mm

Height / length (head) 18 mm

Material (head) Stainless steel

Thread M3 x 0.5

Bending radius (fixed) 4 mm

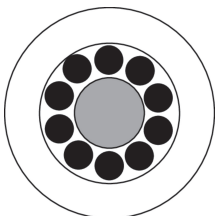
Cable jacket diameter 1 mm

Material cable jacket Stainless steel

Material (fiber optic cable) Plastic

Length (fiber optic cable) 500 cm

Fiber arrangement

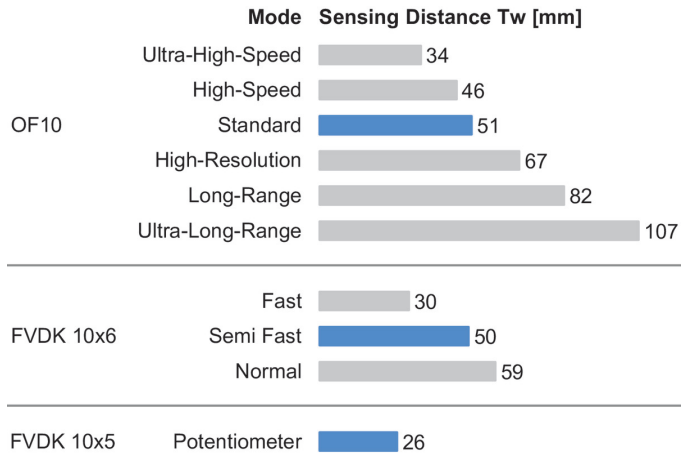


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Sensing distance diagram



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

Mounting accessories

10114652	Cutting tool for plastic fiber optics
10119912	Mounting bracket Ø 1,1 mm

Lenses and components

10140260	Reduction tube
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