

FCE 200DS150

Plastic fiber optic cable

Article number: 11708574

Overview

- Diffuse type
- Sensing distance up to 184 mm
- Cylindrical smooth sensing head $\varnothing 1.5$ 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

| | |
|----------------------------|----------------------------------------------------------------|
| 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 | 184 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 | No |
|-----------------------------------------|----|

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|-----------------|----|
| Integrated lens | No |
|-----------------|----|

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|----------------|----|
| Adaptable lens | No |
|----------------|----|

General data

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|----------------------------------------|----|
| Infrared light compatibility (1450 nm) | No |
|----------------------------------------|----|

Mechanical data

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|-------------------------|--------|
| Width / diameter (head) | 1.5 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 |
|------------------------|-------|

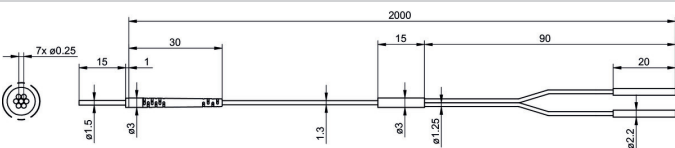
| | |
|-----------------------|---------|
| Cable jacket diameter | 1.25 mm |
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|-----------------------|----|
| Material cable jacket | PE |
|-----------------------|----|

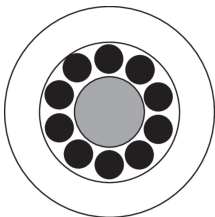
| | |
|------------------------------|---------|
| Material (fiber optic cable) | Plastic |
|------------------------------|---------|

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|----------------------------|--------|
| Length (fiber optic cable) | 200 cm |
|----------------------------|--------|

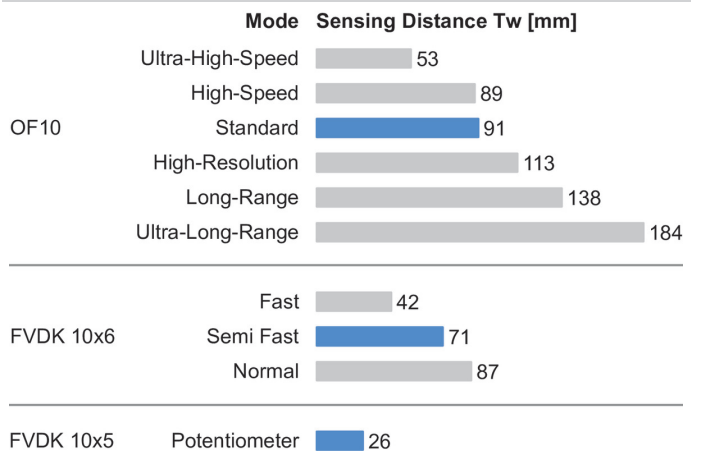
Dimension drawing



Fiber arrangement



Sensing distance diagram



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Accessories

Fitting fiber optic sensors

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|----------|------------------------|
| 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

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| 11708559 | ZADAP-FBR.1_3MM |
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