



# CV series

High temperature glass optical fibres



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## features

- Models with flexible fibre heads (with sleeve)
- Wide range of accessories (AF serie)
- IP67 protection degree
- SSF - FS1 - FX3 - FX4 serie connectable
- Approvals: CE

## web contents



- Application notes
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## ordering system

glass fibres up to 200°C

type	SSF (EX.G.=1)	FS1 (EX.G.=1)	FX3 (EX.G.=1)	FX4 (EX.G.=1)	F1	F2	F6	∅ optical fibre core	free-cut	length <sup>(2)</sup>	head shape	lenses	model <sup>(1)</sup>			
scanner	50 mm	50 mm	150 mm	150 mm	-	70	-	1	-	1 - 2 m	M4	-	CV/CB1-**			
														M4 + sleeve		CV/CB3-**
P/R	90 mm	90 mm	600 mm	900 mm	410	200	800				M4		CV/RB4-**			
											M4		CV/RB6-**			


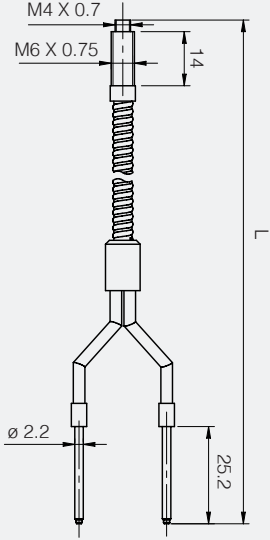
## ordering system

glass fibres up to 250°C

type	SSF (EX.G.=1)	FS1 (EX.G.=1)	FX3 (EX.G.=1)	FX4 (EX.G.=1)	F1	F2	F6	∅ optical fibre core	free-cut	length <sup>(2)</sup>	head shape	lenses	model <sup>(1)</sup>			
scanner	50 mm	50 mm	150 mm	150 mm	-	70	-	1	-	1 - 2 m	M4	-	CV/CB1-**ME			
														M4 + sleeve		CV/CB3-**ME
P/R	90 mm	90 mm	600 mm	900 mm	410	200	800				M4		CV/RB4-**ME			
											M4		CV/RB6-**ME			

<sup>(1)</sup> The last two bits of the code show the fibre length (in dm) <sup>(2)</sup> Standard length  
Special lengths are available on request.


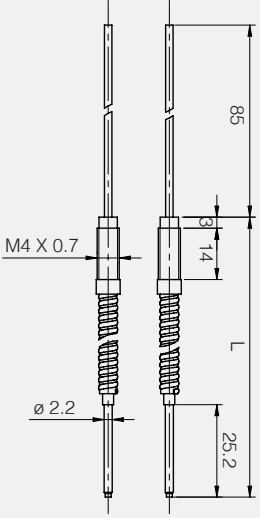
diffuse reflection (high temperature) CV/CB1-\*\* model

product	main features		dimensions (mm)
	Ø optical fibre core	1 mm	
	distance (with SSF)	50 mm	
	distance (with FS1)	50 mm	
	distance (with FX3)	150 mm	
	distance (with FX4)	150 mm	
	distance (with F1)	-	
	distance (with F2)	70 mm	
	distance (with F6)	-	
	fibre length (L)	1...2 m	
	free-cut	-	
	head shape	M4	
	protection degree	IP67 (EN60529)	
	temperature range	-40°C....+200°C (standard version) -40°C....+250°C (ME version)	
	optical fibre materials	glass, ETM, nickel plated brass	
	head materials	nickel plated brass	
accessories available	AF/FC1, AF/FC2		


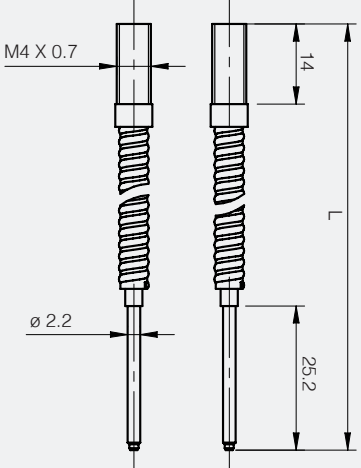
diffuse reflection with sleeve (high temperature) CV/CB3-\*\* model

product	main features		dimensions (mm)
	Ø optical fibre core	1 mm	
	distance (with SSF)	50 mm	
	distance (with FS1)	50 mm	
	distance (with FX3)	150 mm	
	distance (with FX4)	150 mm	
	distance (with F1)	-	
	distance (with F2)	70 mm	
	distance (with F6)	-	
	fibre length (L)	1...2 m	
	free-cut	-	
	head shape	M4 with sleeve	
	protection degree	IP67 (EN60529)	
	temperature range	-40°C....+200°C (standard version) -40°C....+250°C (ME version)	
	optical fibre materials	glass, ETM, inox	
	head materials	nickel plated brass	
accessories available	.		

through-beam with sleeve (high temperature) CV/RA4-\*\*

product	main features		dimensions (mm)
	Ø optical fibre core	1 mm	
	distance (with SSF)	90 mm	
	distance (with FS1)	90 mm	
	distance (with FX3)	600 mm	
	distance (with FX4)	900 mm	
	distance (with F1)	410 mm	
	distance (with F2)	200 mm	
	distance (with F6)	800 mm	
	fibre length (L)	1...2 m	
	free-cut	-	
	head shape	M4 with sleeve	
	protection degree	IP67 (EN60529)	
	temperature range	-40°C....+200°C (standard version) -40°C....+250°C (ME version)	
	optical fibre materials	glass, ETM, inox	
head materials	nickel plated brass		
accessories available	-		

through-beam (high temperature) CV/RB6-\*\* model

product	main features		dimensions (mm)
	Ø optical fibre core	1 mm	
	distance (with SSF)	90 mm	
	distance (with FS1)	90 mm	
	distance (with FX3)	600 mm	
	distance (with FX4)	900 mm	
	distance (with F1)	410 mm	
	distance (with F2)	200 mm	
	distance (with F6)	800 mm	
	fibre length (L)	1...2 m	
	free-cut	-	
	head shape	M4	
	protection degree	IP67 (EN60529)	
	temperature range	-40°C....+200°C (standard version) -40°C....+250°C (ME version)	
	optical fibre materials	glass, ETM, inox	
head materials	nickel plated brass		
accessories available	look AF series		