



CV series

High temperature glass optical fibres



High temperature glass optical fibres

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
- Photos
- Catalogue / Manuals



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)	Ø optical fibre core	free-cut	length ⁽²⁾	head shape	lenses	model ⁽¹⁾
scanner	50 mm	50 mm	150 mm	150 mm	1	-	1 - 2 m	M4	-	CV/CB1-**
								M4 + sleeve		CV/CB3-**
P/R	90 mm	90 mm	600 mm	900 mm				M4		CV/RB4-**
										CV/RB6-**

ordering system


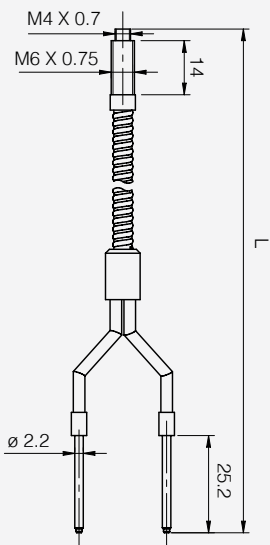
glass fibres up to 250°C

type	SSF (EX.G.=1)	FS1 (EX.G.=1)	FX3 (EX.G.=1)	FX4 (EX.G.=1)	F1	F2	F6	Ø optical fibre core	free-cut	length ⁽²⁾	head shape	lenses	model ⁽¹⁾
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
													CV/RB6-**ME


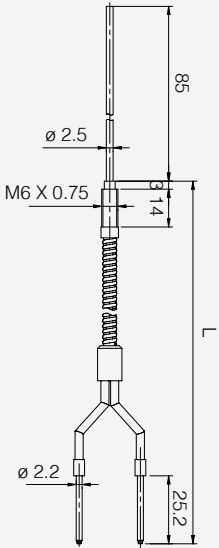
⁽¹⁾ The last two bits of the code show the fibre length (in dm) ⁽²⁾ Standard length
Special lengths are available on request.




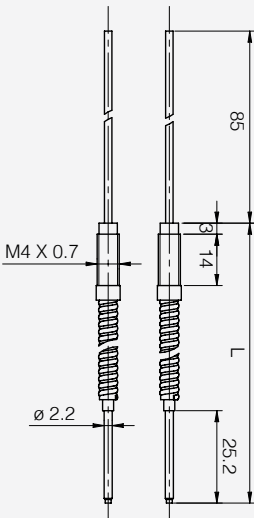
diffuse reflection (high temperature) CV/CB1-** model

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	
	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	


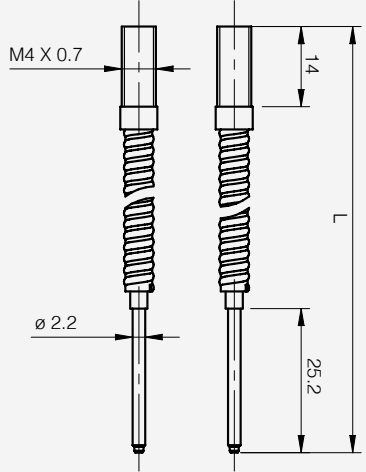
diffuse reflection with sleeve (high temperature) CV/CB3-** model

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	
	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	
	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	
	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	





CV series

Accessories for CV
optical fibres



Accessories for CV
optical fibres

features

- Wide range of focusing devices
- Wide range of additional lenses
- IP67 protection degree
- SSF – FS1 – FX3 – FX4 series connectable
- Approvals: CE

web contents




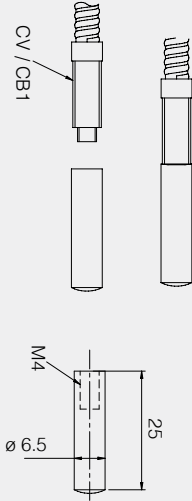
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ordering system

type	accessory type	SSF (EX.G.=1)	FS1 (EX.G.=1)	FX3 (EX.G.=1)	FX4 (EX.G.=1)	F1	F2	F6	Ø optical fibre core	head shape	fibre model	models
scanner	focalizza- tore	25 mm	25 mm	30 mm	30 mm	-	70	-	1	Ø 6.5 mm	CV/CB1-**	AF/FC1
		45 mm	45 mm	50 mm	50 mm						CV/CB1-**	AF/FC2
P/R	lente addizzio- nale	1,000 mm	1,000 mm	4,000 mm	4,000	410	200	800		Ø 5 mm	CV/RB6-**	AF/ER1
		3,000 mm	3,000 mm	8,000 mm	10,000 mm					Ø 8.5 mm	CV/RB6-**	AF/ER2
				14,000 mm	16,000 mm					13 x 13 mm	CV/RB6-**	AF/ER3


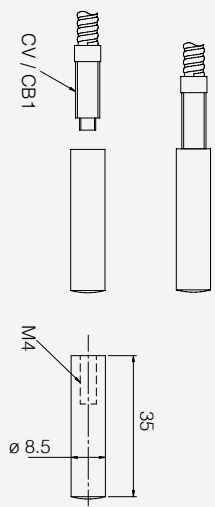
collimator lenses AF/FC1 model

product	main features	dimensions (mm)
	Ø optical fibre core	CV/CB1-**-
	distance (with SSF)	25 mm
	distance (with FS1)	25 mm
	distance (with FX3)	30 mm
	distance (with FX4)	30 mm
	thread	M4
	protection degree	IP67 (EN60529)
	temperature range	-40°C.....+125°C
	materials	glass, nickel-plated brass
		


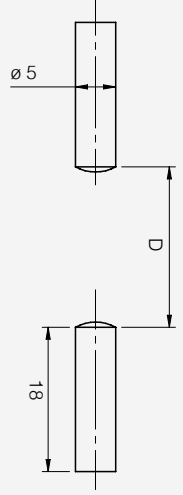
CV




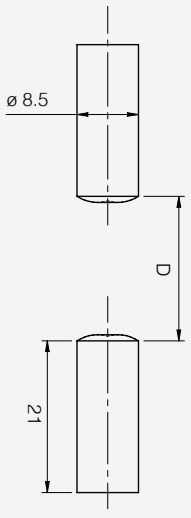
focusing device (diffuse reflection) AF/FC2 model

product	main features	dimensions (mm)
	Ø optical fibre core	CV/CB1-**
	distance (with SSF)	45 mm
	distance (with FS1)	45 mm
	distance (with FX3)	50 mm
	distance (with FX4)	50 mm
	thread	M4
	protection degree	IP67 (EN60529)
	temperature range	-40°C....+125°C
	materials	glass, nickel-plated brass
		


additional lens (through-beam) AF/ER1 model

product	main features	dimensions (mm)
	Ø optical fibre core	CV/RB6-**
	distance (with SSF)	1,000 mm
	distance (with FS1)	1,000 mm
	distance (with FX3)	4,000 mm
	distance (with FX4)	6,000 mm
	thread	M4
	protection degree	IP67 (EN60529)
	temperature range	-40°C....+70°C
	materials	glass, nickel-plated brass
		

additional lens (through-beam) AF/ER2 model

product	main features	dimensions (mm)
	Ø optical fibre core	CV/RB6-**
	distance (with SSF)	3,000 mm
	distance (with FS1)	3,000 mm
	distance (with FX3)	8,000 mm
	distance (with FX4)	10,000 mm
	thread	M4
	protection degree	IP67 (EN60529)
	temperature range	-40°C....+125°C
	materials	glass, nickel-plated brass
		

additional lens (through-beam) AF/ER3 model

product	main features	dimensions (mm)
	Ø optical fibre core	CV/RB6-**
	distance (with SSF)	3,000 mm
	distance (with FS1)	3,000 mm
	distance (with FX3)	8,000 mm
	distance (with FX4)	10,000 mm
	thread	M4
	protection degree	IP67 (EN60529)
	temperature range	-40°C....+70°C
	materials	glass, nickel-plated brass
		