

CV series 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



CE

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- Photos
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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		\varnothing optical fibre core	free-cut	length ⁽²⁾	head shape	lenses	model ⁽¹⁾	
	50	50	450	150		70					M4		CV/CB1-**	
scanner	50 mm	50 mm	150 mm	150 mm	-	70	-	1		1 -	1 - 2 m	M4 + sleeve		CV/CB3 -**
P/R	90 mm	90 mm	600 mm	900 mm	410	200	800	1					-	CV/RB4 -**
1711	50 mm	0011111	000 11111	000 11111	-10	200	000				M4		CV/RB6 -**	

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ordering system

glass fibres up to 250°C

typ	e	SSF (EX.G.=1)	FS1 (EX.G.=1)	FX3 (EX.G.=1)	FX4 (EX.G.=1)	F1	F2	F6	\varnothing optical fibre core	free-cut	length (2)	head shape	lenses	model ⁽¹⁾	
												M4		CV/CB1-**ME	
scani	iner	50 mm	50 mm	150 mm	150 mm	-	70	-	4	-	1 - 2 m	M4 +		CV/CB3 -**ME	
P/F	R	90 mm	90 mm	600 mm	900 mm	410	200	800	,		·	-	1 - 2 111	sleeve	-
171		50 1111	50 mm	000 11111	500 mm	410	200	000				M4		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.

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diffuse reflection (high temperature) CV/CB1-** model									
product		main features	dimensions (mm)						
	Ø optical fibre core	1 mm	M4 X 0.7						
A	distance (with SSF)	50 mm							
	distance (with FS1)	50 mm	M6 X 0.75						
	distance (with FX3)	150 mm							
	distance (with FX4)	150 mm							
	distance (with F1)	-							
	distance (with F2)	70 mm							
15	distance (with F6)	-							
	fibre length (L)	12 m							
	free-cut	-							
	head shape	M4							
TT	protection degree	IP67 (EN60529)	η η						
	temperature range	-40°C+200°C (standard version) -40°C+250°C (ME version)	<u>Ø 2.2</u>						
U U	optical fibre materials	glass, ETM, nickel plated brass	25.2						
	head materials	nickel plated brass	Ψ Ψ + +						
	accessories available	AF/FC1, AF/FC2							

	diffuse reflection with sleeve (high temperature) CV/CB3-** model								
product		main features	dimensions (mm)						
product	Ø optical fibre core distance (with SSF) distance (with FS1) distance (with FX3) distance (with FX4) distance (with F1) distance (with F2) distance (with F6) fibre length (L) free-cut head shape protection degree	1 mm 50 mm 50 mm 150 mm 150 mm - 70 mm - 12 m - M4 with sleeve IP67 (EN60529)	dimensions (mm)						
	temperature range	-40°C+200°C (standard version) -40°C+250°C (ME version)	ø 2.2						
	optical fibre materials	glass, ETM, inox							
	head materials	nickel plated brass							
	accessories available								

High temperature glass optical fibres

product		main features	dimensions (mm)
	Ø optical fibre core distance (with SSF) distance (with FS1) distance (with FX3) distance (with FX4) distance (with F1) distance (with F2) distance (with F6) fibre length (L) free-cut head shape	1 mm 90 mm 90 mm 600 mm 900 mm 410 mm 200 mm 800 mm 12 m -	M4 X 0.7
	protection degree temperature range optical fibre materials head materials accessories available	IP67 (EN60529) -40°C+200°C (standard version) -40°C+250°C (ME version) glass, ETM, inox nickel plated brass	ø 2.2 0 2.2 0 2.2 0 25.2

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	M4 X 0.7
100 A	distance (with FX4)	900 mm	┝┼┦ ┝┼┨_╹╹
GN	distance (with F1)	410 mm	
	distance (with F2)	200 mm	
	distance (with F6)	800 mm	
4	fibre length (L)	12 m	
	free-cut	-	
	head shape	M4	ø 2.2
	protection degree	IP67 (EN60529)	
	temperature range	-40°C+200°C (standard version) -40°C+250°C (ME version)	- 25.2
	optical fibre materials	glass, ETM, inox	Ψ <u>Ψ + +</u>
	head materials	nickel plated brass	
	accessories available	look AF series	

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features

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



CE

web contents



- Application notes
- Photos
- Catalogue / Manuals

ordering system

type	accessory type	SSF (EX.G.=1)	FS1 (EX.G.=1)	FX3 (EX.G.=1)	FX4 (EX.G.=1)	F1	F2	F6	\emptyset optical fibre core	head shape	fibre model	models
	focalizza-	25 mm	25 mm	30 mm	30 mm		- 70 -	70		Ø 6 5 mm	CV/CB1-**	AF/FC1
scanner	tore	45 mm	45 mm	50 mm	50 mm	-			Ø 6.5 mm	CV/CB1-**	AF/FC2	
		zio- 8,000 10,000 410 200 800		1	Ø 5 mm	CV/RB6-**	AF/ER1					
P/R	lente P/R addizzio- nale		3,000			410	200	800		Ø 8.5 mm	CV/RB6-**	AF/ER2
		mm	mm	14,000 mm	16,000 mm					13 x 13 mm	CV/RB6-**	AF/ER3

product		main features	dimensions (mm)
	Ø optical fibre core	CV/CB1-**	- LI 11
	distance (with SSF)	25 mm 25 mm	
	distance (with FS1) distance (with FX3)	25 mm	
	distance (with FX4)	30 mm	
S	thread	M4	
	protection degree	IP67 (EN60529)	
	temperature range	-40°C+125°C	<u> </u>
	materials	glass, nickel-plated brass	
			ø <u>6.5</u>

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H		focusi	ing device (diffuse reflection) AF/FC2 model		
	product		main features	dimensions (mm)	
Accessories for CV optical fibres	product	Ø optical fibre core distance (with SSF) distance (with FS1) distance (with FX3) distance (with FX4) thread protection degree temperature range	CV/CB1-** 45 mm 45 mm 50 mm 50 mm M4 IP67 (EN60529) -40°C+125°C	dimensions (mm)	
	0	materials	glass, nickel-plated brass		
				Ø <u>8.5</u>	

additional lens (through-beam) AF/ER1 model									
product		main features	dimensions (mm)						
	Ø optical fibre core distance (with SSF) distance (with FS1) distance (with FX3) distance (with FX4) thread protection degree temperature range materials	CV/RB6-** 1,000 mm 1,000 mm 4,000 mm 6,000 mm M4 IP67 (EN60529) -40°C+70°C glass, nickel-plated brass							

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main features		dimensions (mm)	
Ø optical fibre core distance (with SSF) distance (with FS1)	CV/RB6-** 3,000 mm 3,000 mm	ø 8.5	optical fibres
	10,000 mm		
thread	M4		
protection degree	IP67 (EN60529)		
temperature range	-40°C+125°C		
materials	glass, nickel-plated brass		
	distance (with SSF) distance (with FS1) distance (with FX3) distance (with FX4) thread protection degree temperature range	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	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 pickel-plated brass

additional lens (through-beam) AF/ER3 model						
product	main features		dimensions (mm)			
	Ø optical fibre core distance (with SSF) distance (with FS1) distance (with FX3) distance (with FX4) thread protection degree temperature range materials	CV/RB6-** 3,000 mm 3,000 mm 8,000 mm 10,000 mm M4 IP67 (EN60529) -40°C+70°C glass, nickel-plated brass				