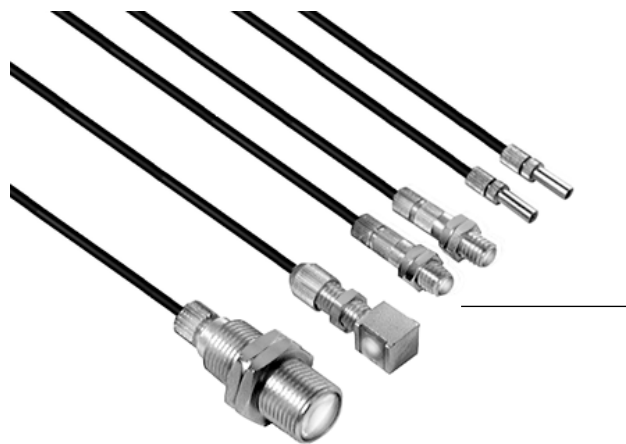




SERIE	AF
Modular fibre for any application	
<ul style="list-style-type: none"> ◆ Wide range of collimator lenses ◆ IP67 protection degree ◆ FS1, FX2 or MSF serie connectable 	

Making fibres yourself
 the new modular fibre system suitable for any application and for the max. costs control.



ORDERING SYSTEM				
model ⁽¹⁾	detection type	accessory type	Distance with FS1	Distance with FX2
AF/C	-	cutter	-	-
AF-1S	-	fibre to sell by the metres	-	-
AF-ER4	through-beam	collimator lenses	500 mm	550 mm
AF-ER5	through-beam	collimator lenses	800 mm	900 mm
AF-ER6	through-beam	collimator lenses	3500 mm	3500 mm
AF-ER7	through-beam	collimator lenses	800 mm	900 mm

(1) The following characteristic curves refer only to FX2 series.

MODEL	AF/C
cutter	
Material optical	plastic
Optical fibre core Ø	1 mm

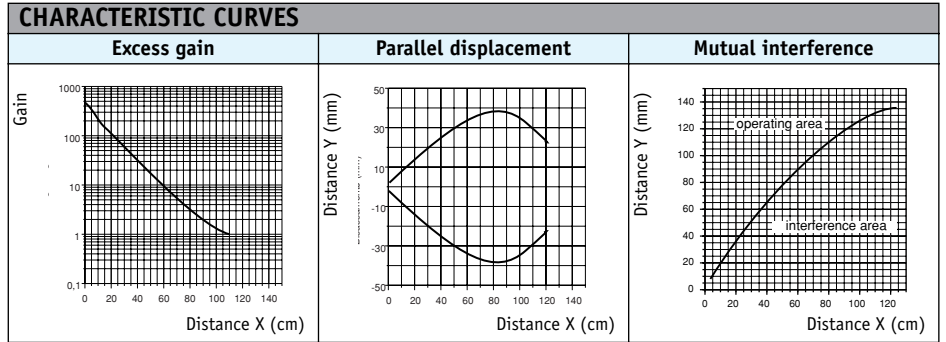
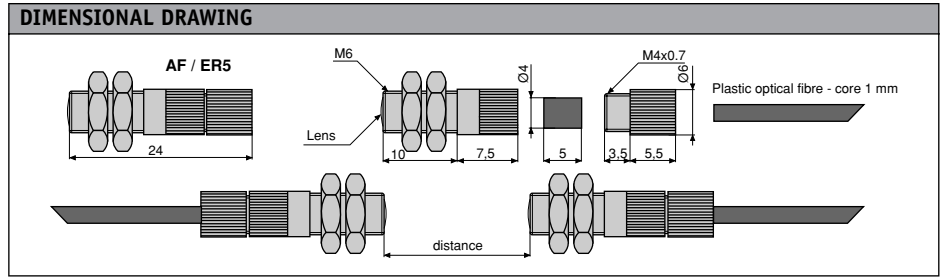
DIMENSIONAL DRAWING	
<p>NOTE: Before inserting the optical fibre into the fibre-head, cut it using the supplied cutter. In order to obtain the best performances the accuracy of fibre-cutting is fundamental.</p>	

MODEL	AF/ER4
collimator lenses	
Optical fibre code	AF/1S
Optical fibre core Ø	1mm (plastic)
Distance (with FS1)	500 mm
Distance (with FX2)	550mm
Materials	glass, nickel-plated brass
Temperature range	-40°...+70°C
Protection degree	IEC IP67

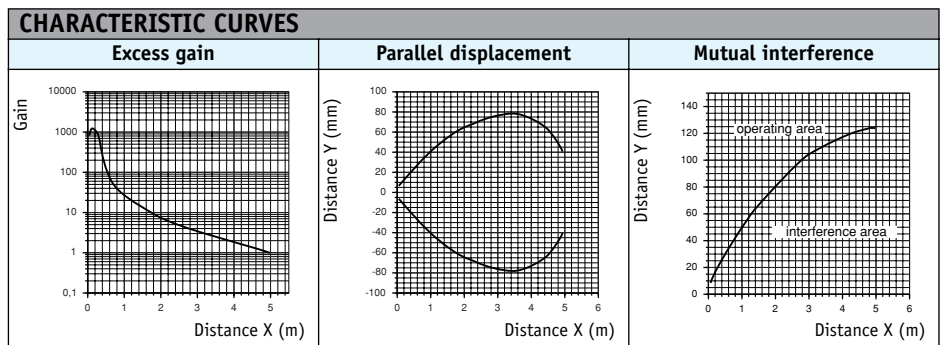
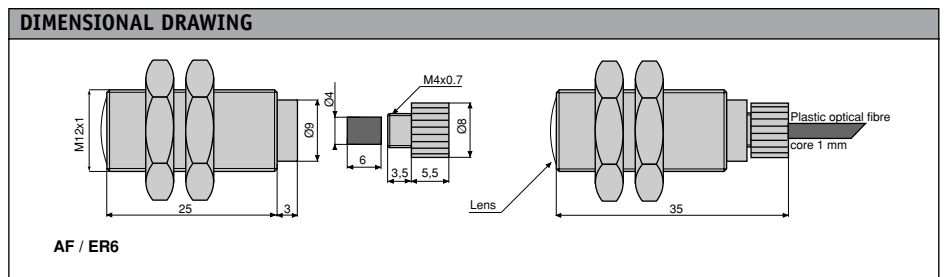
DIMENSIONAL DRAWING	

CHARACTERISTIC CURVES		
Excess gain	Parallel displacement	Mutual interference

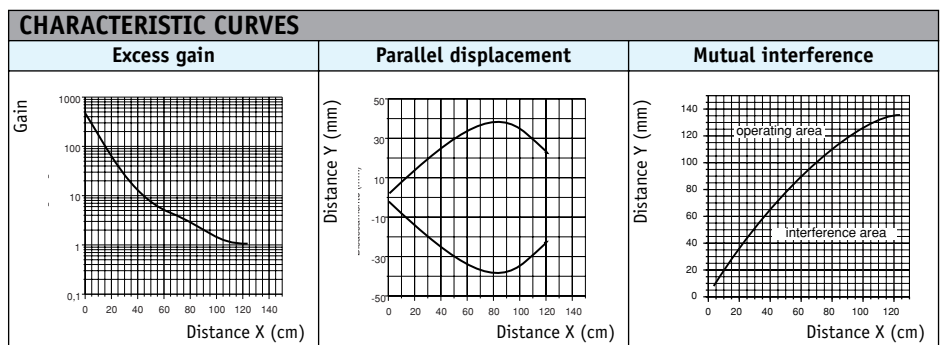
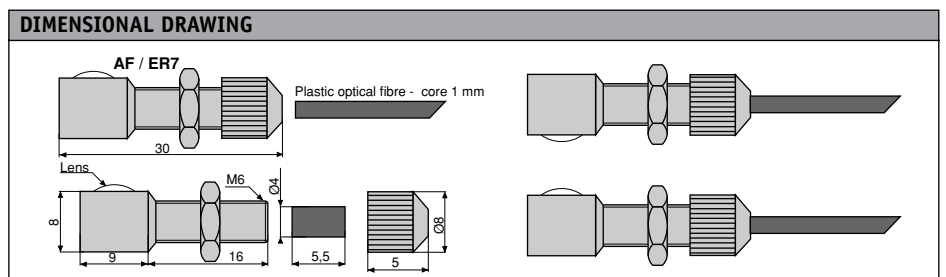
MODEL	AF/ER5
collimator lenses	
Optical fibre code	AF/15
Optical fibre core Ø	1mm (plastic)
Distance (with FS1)	800 mm
Distance (with FX2)	900 mm
Materials	glass, nickel-plated brass
Temperature range	-40°....+70°C
Protection degree	IEC IP67



MODEL	AF/ER6
collimator lenses	
Optical fibre code	AF/15
Optical fibre core Ø	1 mm (plastic)
Distance (with FS1)	3500 mm
Distance (with FX2)	3500 mm
Materials	glass, nickel-plated brass
Temperature range	-40°....+70
Protection degree	IEC IP67



MODEL	AF/ER7
collimator lenses	
Optical fibre core Ø	1 mm
Distance (with FS1)	800 mm
Distance (with FX2)	900 mm
Fibre length (L)	1 - 2 m
Free-cut	no
Head shape	M4
Protection degree	IEC IP67
Temperature range	-40°....+70°C
Materials	glass,ETM,stainless steel
Head materials	nickel-plated brass
Accessories available	see AF series



SERIE AF

Accessories for CV series optical fibres

- ◆ Wide range of focusing device
- ◆ Wide range of additional lenses
- ◆ IP67 protection degree

Wide range of accessories

to increase the applicative possibilities of CV serie optic fibres.


ORDERING SYSTEM

model	detection type	accessory type	Distance with FS1	Distance with FX2
AF-FC1	diffuse reflection	focusing device	10 mm	-
AF-FC2	diffuse reflection	focusing device	20 mm	-
AF-ER1	through-beam	additional lens	800 mm	-
AF-ER2	through-beam	additional lens	3000 mm	-
AF-ER3	through-beam	additional lens	3000 mm	-

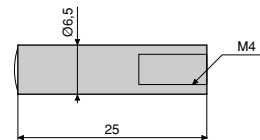
MODEL AF/FC1
focusing device (diffuse reflection)


Optical fibre	CV/CB1
Distance (with FS1)	10 mm
Distance (with FX2)	10mm
Thread	M4
Materials	glass, nickel-plated brass
Temperature range	-40°....+250°C
Protection degree	IEC IP67

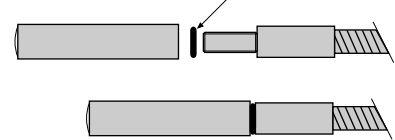
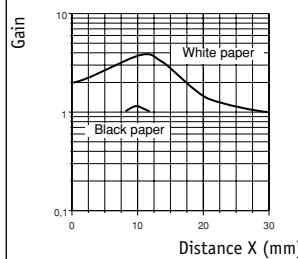
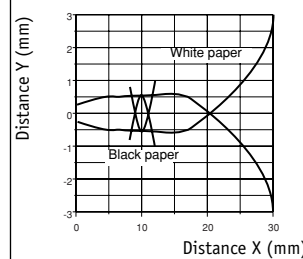
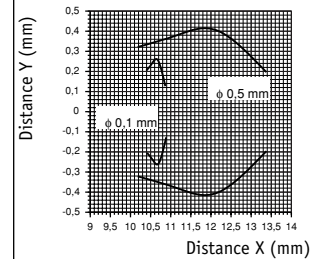
NOTE: In case of temperature higher than 80° it is necessary to replace the supplied O-ring with a metal lock with same thickness. Use a low sensitivity to obtain the reading at the focal distance.

DIMENSIONAL DRAWING

AF / FC1



O-Ring CV / CB1

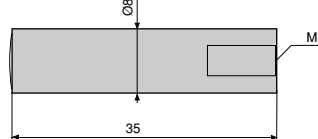

CHARACTERISTIC CURVES
Excess gain

Parallel displacement

Detection area / Ø target

MODEL AF/FC2
focusing device (diffuse reflection)


Optical fibre	CV/CB1
Distance (with FS1)	20 mm
Distance (with FX2)	20mm
Thread	M4
Materials	glass, nickel-plated brass
Temperature range	-40°....+250°C
Protection degree	IEC IP67

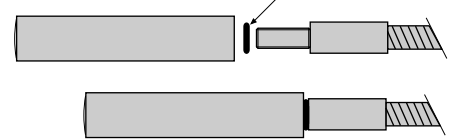
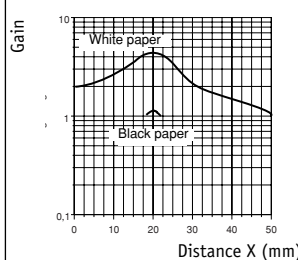
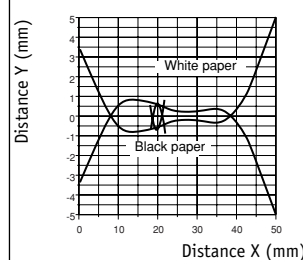
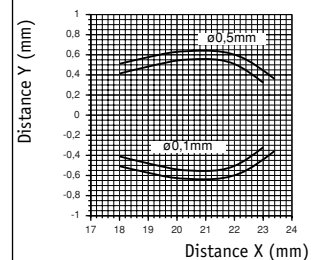
NOTE: In case of temperature higher than 80° it is necessary to replace the supplied O-ring with a metal lock with same thickness. Use a low sensitivity to obtain the reading at the focal distance.


DIMENSIONAL DRAWING

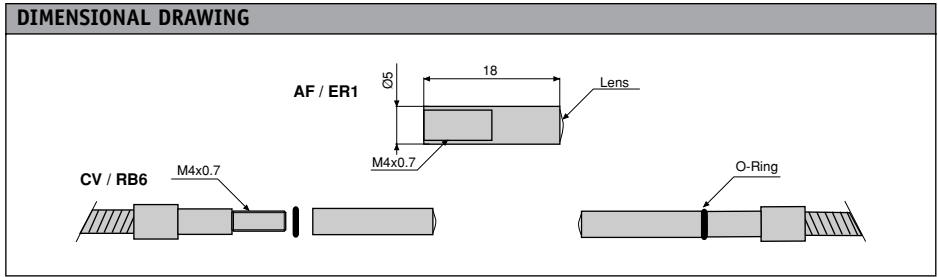
AF / FC2



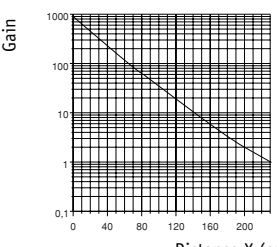
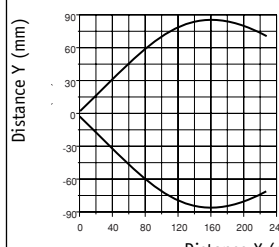
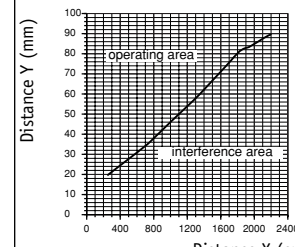
O-Ring CV / CB1



CHARACTERISTIC CURVES
Excess gain

Parallel displacement

Detection area / Ø target


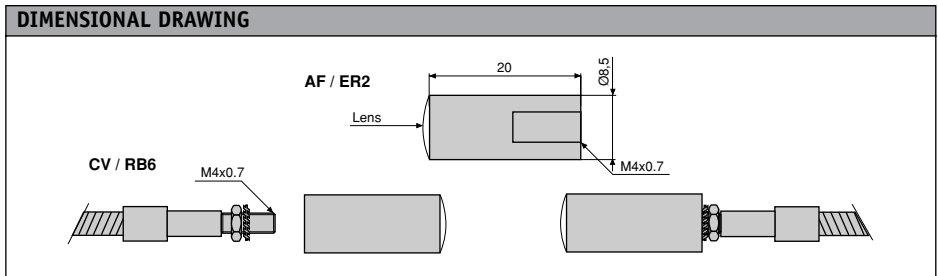
MODEL	AF/ER1
additional lens (through-beam)	
	
Optical fibre	CV/RB6
Distance (with FS1)	800 mm
Distance (with FX2)	2000mm
Thread	M4
Materials	glass, nickel-plated brass
Temperature range	-40°....+70°C
Protection degree	IEC IP67
NOTE: In case of temperature higher than 80° it is necessary to replace the supplied O-ring with a metal lock with same thickness. To execute the accessory mounting, follow the drawing.	



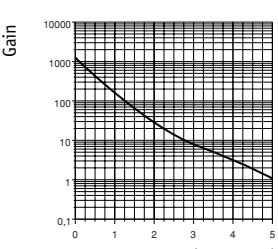
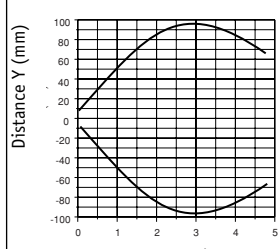
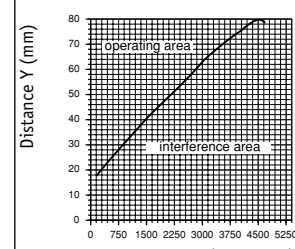
CHARACTERISTIC CURVES


Excess gain	Parallel displacement	Mutual interference
		

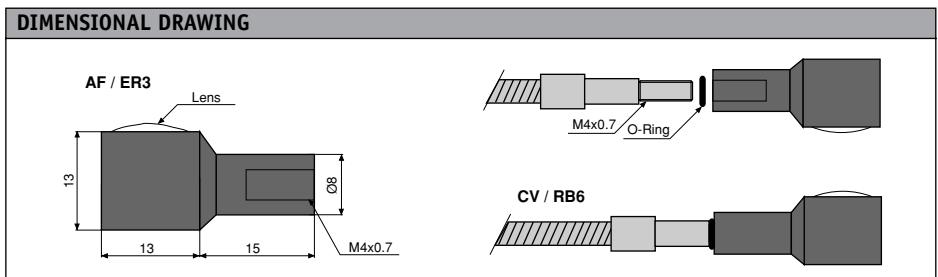
MODEL	AF/ER2
additional lens (through-beam)	
	
Optical fibre	CV/RB6
Distance (with FS1)	3000 mm
Distance (with FX2)	4500mm
Thread	M4
Materials	glass, nickel-plated brass
Temperature range	-40°....+250°C
Protection degree	IEC IP67
NOTE: To install the accessory, let the screw nut and the metal lock supplied with CV/RB6 mounted on each fibre-head. Follow the drawing.	



CHARACTERISTIC CURVES

Excess gain	Parallel displacement	Mutual interference
		

MODEL	AF/ER3
additional lens (through-beam)	
	
Optical fibre	CV/RB6
Distance (with FS1)	3000 mm
Distance (with FX2)	4500mm
Thread	M4
Material	Polycarbonate
Lens material	PMMA
Temperature range	-40°....+70°C
Protection degree	IEC IP67
NOTE: To execute the accessory mounting, follow the drawing.	



CHARACTERISTIC CURVES

Excess gain	Parallel displacement	Mutual interference
