



TRANSMIT
Wavelength 0.6 μm to 2.1 μm

Passive Fibers

For pump and signal delivery

iXblue's passive fibers are being used in standard and harsh environment for applications in biotechnology, oil & gas or nuclear physics. Our passive fiber product line includes a range of polarization maintaining fibers, single and multi-modes fibers, photosensitive fibers and double clad fibers.

iXblue's single mode fibers have been designed to offer low-loss transmission. Also, dedicated coatings and core glass compositions for high temperatures or harsh environments allow for minimal degradation in challenging applications from short wavelength to near IR.

Key Features

- Pure Silica SM fiber Core
- Photosensitive SM fiber for FBG
- PM available
- Acrylate, Silicone, Polyimide, or Carbon Coated fibers

Related Products

- Fiber lasers and amplifiers

Related Products

- Fiber bragg gratings pairs
- Photosensitive fibers
- Double clad fiber



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Main Specifications

	Product Name	Core diameter (μm)	Core NA	Cladding diameter (μm)	Coating diameter (μm)	
Single	IXF-PAS-4-130-0.14	4 +/- 0.5	0.14	125 +/- 3	245 +/- 15	
	IXF-PAS-6-130-0.21	6 +/- 0.5	0.21	125 +/- 3	245 +/- 15	
	IXF-PAS-10-130	10 +/- 1	0.10 or 0.15	125 +/- 3	245 +/- 15	
	IXF-PAS-16-130-0.08	16 +/- 1	0.08	123 +/- 3	245 +/- 15	
	IXF-PAS-17-130-0.19	17 +/- 1	0.19	125 +/- 3	245 +/- 15	
	IXF-PAS-20-250-0.08	20 +/- 1	0.08	250 +/- 5	340 +/- 20	
	IXF-PAS-20-300-0.08	20 +/- 1	0.08	300 +/- 10	460 +/- 20	
	IXF-PAS-20-400-0.065	20 +/- 1	0.065	400 +/- 10	550 +/- 20	
	IXF-PAS-25-250-0.08	25 +/- 1	0.08	250 +/- 5	340 +/- 20	
	IXF-PAS-25-300-0.08	25 +/- 1	0.08	300 +/- 10	470 +/- 20	
	Polarization Maintaining:					
	IXF-PAS-PM-6-130-0.21	6 +/- 0.5	0.21	125 +/- 3	245 +/- 15	
	IXF-PAS-PM-10-130-0.15	10 +/- 1	0.15	125 +/- 3	245 +/- 15	
	IXF-PAS-PM-12-130-0.17	12 +/- 1	0.17	125 +/- 3	250 +/- 15	
	IXF-PAS-PM-15-160-0.17	15 +/- 1	0.17	125 +/- 3	255 +/- 15	
	IXF-PAS-PM-20-250-0.08	20 +/- 1	0.08	250 +/- 5	340 +/- 20	
	IXF-PAS-PM-25-250-0.08	25 +/- 1	0.08	250 +/- 5	340 +/- 20	
	IXF-PAS-PM-25-300-0.08	25 +/- 1	0.08	300 +/- 10	460 +/- 20	
	IXF-PAS-PM-30-300-0.08	30 +/- 1	0.08	300 +/- 10	460 +/- 20	
Double	IXF-2CF-PAS-4-130-0.14	4 +/- 0.5	0.14	125 +/- 3	245 +/- 15	
	IXF-2CF-PAS-5-80-0.19	5 +/- 0.5	0.19	80 +/- 3	170 +/- 15	
	IXF-2CF-PAS-6-130	6 +/- 0.5	0.14, 0.17 or 0.21	125 +/- 3	245 +/- 15	
	IXF-2CF-PAS-6-130-0.17-RAD	6 +/- 0.5	0.17	125 +/- 3	245 +/- 15	
	IXF-2CF-PAS-8-130-0.13	8 +/- 0.5	0.13	125 +/- 3	245 +/- 15	
	IXF-2CF-PAS-10-130	10 +/- 1	0.10 or 0.15	125 +/- 3	245 +/- 15	
	IXF-2CF-PAS-11-130-0.08					
	IXF-2CF-PAS-12-130-0.17	12 +/- 1	0.17	125 +/- 3	245 +/- 15	
	IXF-2CF-PAS-12-130-0.17-RAD	12 +/- 1	0.17	125 +/- 3	245 +/- 15	
	IXF-2CF-PAS-15-130-0.10	15 +/- 1	0.10	125 +/- 3	245 +/- 15	
	IXF-2CF-PAS-17-130-0.19	17 +/- 1	0.19	125 +/- 3	245 +/- 15	
	IXF-2CF-PAS-20-80-0.07	20 +/- 1	0.07	80 +/- 3	170 +/- 15	
	IXF-2CF-PAS-20-130-0.08	20 +/- 1	0.08	125 +/- 2	245 +/- 15	
	IXF-2CF-PAS-20-250-0.08	20 +/- 1	0.08	250 +/- 5	340 +/- 20	
	IXF-2CF-PAS-20-400-0.065	20 +/- 1	0.065	400 +/- 15	550 +/- 20	
	IXF-2CF-PAS-25-130-0.08	25 +/- 1	0.08	125 +/- 3	250 +/- 15	
	IXF-2CF-PAS-25-250	25 +/- 1	0.08 or 0.10	250 +/- 5	340 +/- 20	
	IXF-2CF-PAS-25-400	25 +/- 1	0.08 or 0.10	400 +/- 10	550 +/- 20	
	IXF-2CF-PAS-30-300-0.08	30 +/- 1	0.085	300 +/- 10	470 +/- 20	
	Polarization Maintaining:					
	IXF-2CF-PAS-PM-4-80-0.16-P	4 +/- 0.5	0.16	80 +/- 3	170 +/- 15	
	IXF-2CF-PAS-PM-6-130	6 +/- 0.5	0.14 or 0.21	125 +/- 3	245 +/- 15	
	IXF-2CF-PAS-PM-10-130	10 +/- 1	0.10 or 0.15	125 +/- 3	245 +/- 15	
	IXF-2CF-PAS-PM-11-130-0.08	11 +/- 1	0.08	125 +/- 3	245 +/- 15	
	IXF-2CF-PAS-PM-12-130-0.17	12 +/- 1	0.17	125 +/- 3	245 +/- 15	
	IXF-2CF-PAS-PM-12-130-0.17-RAD	12 +/- 1	0.17	125 +/- 3	245 +/- 15	
	IXF-2CF-PAS-PM-15-160-0.17	15 +/- 1	0.17	160 +/- 3	255 +/- 15	
IXF-2CF-PAS-PM-20-80-0.07	20 +/- 1	0.075	80 +/- 3	170 +/- 15		
IXF-2CF-PAS-PM-20-300-0.08	20 +/- 1	0.085	300 +/- 10	460 +/- 20		
IXF-2CF-PAS-PM-25-250-0.08	25 +/- 1	0.08	250 +/- 5	340 +/- 20		
IXF-2CF-PAS-PM-25-300-0.08	25 +/- 1	0.08	300 +/- 10	460 +/- 20		
IXF-2CF-PAS-PM-30-300-0.08	30 +/- 1	0.08	300 +/- 10	460 +/- 20		
Triple	IXF-3CF-PAS-20-250-300-0.08	25 +/- 1	0.08	300 +/- 3	450 +/- 20	
	Polarization Maintaining:					
	IXF-3CF-PAS-PM-18-270-300	18 +/- 1	0.06	270 +/- 5	490 +/- 25	