



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

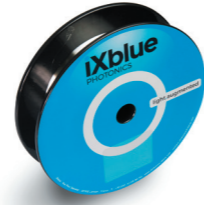
- Pure Silica SM fiber Core
- Photosensitive SM fiber for FBG
- PM available
- Acrylate, Silicone, Polyimide, or Carbon Coated fibers

Related Products

- Fiber lasers and amplifiers

Related Products

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



Main Specifications for single clad fibers

Product Name	Core diameter (μm)	Core NA	Cladding diameter (μm)	Coating diameter (μm)
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-17-130-0.19	17 +/- 1	0.19	125 +/- 3	245 +/- 15
IXF-PAS-20-130-0.08	20 +/- 1	0.08	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

Main Specifications for double clad fibers

Product Name	Core diameter (μm)	Core NA	Cladding diameter (μm)	Coating diameter (μm)
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-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-17-130-0.17	17 +/- 1	0.17	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	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-10-130-0.10	10 +/- 1	0.10	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

