



AMPLIFY

Wavelength 780 nm | 1 μm | 1.5 μm

Endlessly Single Mode | Fibers

Those fibers display an endlessly single mode behavior and do not exhibit a high order mode cut off. they are therefore ideally suited for excellent mode delivery in the visible and above: from 400 nm to 1700 nm.

A dedicated version with lower solarization in the visible range due to the nature of its specific silica. The high OH content of the F110 silica confers to this fibre excellent transmission resistance against radiation and high power visible light. This fibre is therefore ideally suited for excellent mode delivery in the visible.

Key Features

- Singlemode over the whole wavelength range
- Standard & PM versions
- Visible-Grade silica version available -VIS

Applications

- Singlemode light delivery



Partnership



Main Specifications

Product Name	Core diameter (μm)	Cladding diameter (μm)	Coating outside diameter (μm)	NA	Background loss @ 532 nm (dB/km)	Background loss @ 1060 nm (dB/km)	MFD
IXF-ESM-5-125	5 ± 0.3	125 ± 2	245 ± 10	0.20 ± 0.02*	< 50	< 20	4.6 ± 0.3*
IXF-ESM-5-125-PM	5 ± 0.3	125 ± 3	240 ± 10	0.20 ± 0.02*	< 38	< 20	4.5 ± 0.3*
IXF-ESM-10-125	10 ± 0.6	125 ± 5	250 ± 10	0.1 ± 0.02*	< 40	< 12	8.8 ± 0.4*
IXF-ESM-10-255-PM	10 ± 0.6	225 ± 5	355 ± 10	0.1 ± 0.02*	< 38	< 15	8.7 ± 0.4*
IXF-ESM-10-255-VIS	10.5 ± 0.5	126 ± 3	248 ± 5	0.11 ± 0.01**	< 35	< 20	7 ± 0.5**

* measured @ 1064 nm
** measured @ 780 nm

Typical measured fibre attenuation and dispersion

