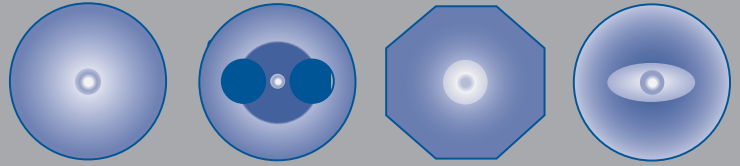


# Photosensitive Fibers



**iXFiber** Photosensitive Single Mode Fibers have been designed to suppress the cladding modes losses (CMF Cladding Mode Free) or to adapt the cladding mode offset (CMS Cladding Mode Shifted) in order to optimize the channel spacing. Photosensitive fibers exhibit uniform and controlled photosensitivity to conventional UV radiation techniques and are available in a wide range of photosensitive levels.

Fiber Reference	Attenuation @ 1550 nm (dB/km)	Core NA	Core diameter (μm)	Splice loss to SMF (dB)	Cladding diameter (μm)	Coating diameter (μm)	Cladding modes
IXF-PHO-CMF	< 0.5	0.13 +/- 0.01	8.2 +/- 0.5	< 0.07	125 +/- 2	245 +/- 15	< 0.1dB for -35dB FBG
IXF-PHO-CMS	< 10	0.37 +/- 0.02	2.8 +/- 0.5	< 0.2	125 +/- 2	245 +/- 15	Shifted up to 9nm

## KEY FEATURES

- Hydrogen loading necessary
- High thermal stability Grating
- Double clad design for fiber laser cavity

## RELATED PRODUCTS

- Large band filter for Gyroscopes
- Photosensitive active doped fibers
- Laser packaging and pigtailling
- Gain Flattening Filters
- Fiber Bragg Gratings
- Fiber laser cavities