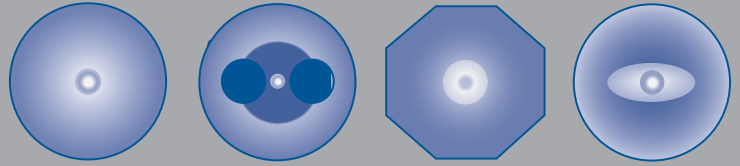




## Nd Doped Fibers



**ixFiber** Neodymium double clad fibers have been developed to maximize fiber efficiency through precisely controlled host composition. Compared to standard Neodymium fiber, the 1.06 micron emission is reduced due to careful design.

Name & Reference	IXF-2CF-Nd-0-5-125-D
Operating wavelength (nm)	900 - 950
Core NA (+/- 0.02)	0.14
Cladding NA	> 0.46
Clad absorption @ 800 nm (dB/m)	> 0.15
LP01 cutoff ( $\mu\text{m}$ )	1 $\mu\text{m}$
Multimode background (dB/km)	< 25
Core diameter ( $\mu\text{m}$ )	5 +/- 0.5
Cladding diameter ( $\mu\text{m}$ )	125 +/- 3
Coating diameter ( $\mu\text{m}$ )	245 +/- 15
Multimode clad shape	Octogonal

### KEY FEATURES

- Host composition optimized for high energy efficiency and low clustering
- Low splicing losses
- High NA, High performance low-index cladding
- Low background losses
- Low macrobending losses at operating wavelength

### RELATED PRODUCTS

- Matching passive fiber
- Associated fiber Bragg mirror pairs