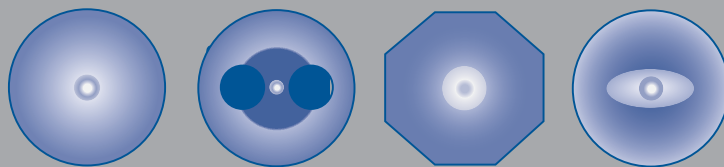




# Yb Double Clad Fibers



Name & Reference	Core diameter (μm)	Clad absorption @ 915 nm (dB/m)	Clad absorption @ 976 nm (dB/m)*	Core NA	Cladding diameter (μm) (Flat/Flat)	Coating diameter (μm)
IXC-2CF-Yb-O-6-130	6 +/- 0.5	0.6 +/- 0.15	2.1 +/- 0.5	0.14 +/- 0.02	125 +/- 3	245 +/- 15
IXC-2CF-Yb-O-6-130-NH	6 +/- 0.5	1.15 +/- 0.25	4.6 +/- 1	0.14 +/- 0.02	125 +/- 3	245 +/- 15
IXC-2CF-Yb-O-10-130	10 +/- 1	1.5 +/- 0.5	5.2 +/- 1.5	0.10 +/- 0.02	125 +/- 3	245 +/- 15
IXC-2CF-Yb-O-10-130-NH	10 +/- 1	2 +/- 0.5	8 +/- 2	0.11 +/- 0.02	125 +/- 3	245 +/- 15
IXC-2CF-Yb-O-15-130	15 +/- 1	2.5 +/- 0.5	8.8 +/- 2	0.08 +/- 0.01	125 +/- 3	245 +/- 15
IXC-2CF-Yb-O-15-130-NH	15 +/- 1	> 6	> 24	0.11 +/- 0.02	125 +/- 3	245 +/- 15
IXC-2CF-Yb-O-20-130	20 +/- 2	> 2.5	> 9	0.08 +/- 0.01	125 +/- 3	245 +/- 15
IXC-2CF-Yb-O-20-130-NH	20 +/- 2	> 8	> 32	0.11 +/- 0.02	125 +/- 3	245 +/- 15
IXC-2CF-Yb-O-25-250	25 +/- 2	> 1.5	> 5.25	0.08 +/- 0.01	250 +/- 5	340 +/- 20
IXC-2CF-Yb-O-25-250-NH	25 +/- 2	> 2.5	> 10	0.11 +/- 0.02	250 +/- 5	340 +/- 20
IXC-2CF-Yb-PM-6-130	6 +/- 0.5	0.6 +/- 0.15	2.1 +/- 0.5	0.14 +/- 0.02	125 +/- 3	245 +/- 15
IXC-2CF-Yb-PM-6-130-NH	6 +/- 0.5	1 +/- 0.3	4 +/- 1	0.14 +/- 0.02	125 +/- 3	245 +/- 15
IXC-2CF-Yb-PM-10-130	10 +/- 1	1.5 +/- 0.5	5.2 +/- 1.5	0.10 +/- 0.02	125 +/- 3	245 +/- 15
IXC-2CF-Yb-PM-15-130-NH	15 +/- 1	> 4	> 16	0.14 +/- 0.02	125 +/- 3	245 +/- 15

\* calculated value

## KEY FEATURES

- Zero photodarkening
- High pump and consistent absorption
- High brightness single mode core
- Low non linear effect
- Large mode area with low NA
- High efficiency
- Multimode background (dB/km): < 50
- Cladding NA: 0.46
- Cladding shape: octogonal (non PM) / round (PM) fiber
- Birefringence: >  $1.10^{-4}$  (large core diameter) or >  $2.10^{-4}$  / Panda type
- Proof test level (kpsi) : 50

## RELATED PRODUCTS

- Single clad Ytterbium fiber
- Associated PM and non PM fibers
- Associated fiber Bragg mirrors pairs
- Subassembly on request
- Matching passive fiber