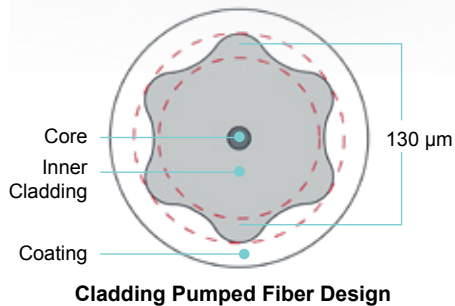
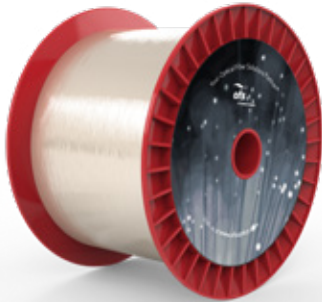




A Furukawa Company

ErYb 130 μm Cladding Pumped Optical Fiber

P/N: 108 728 635



Features and Benefits

- Core recipe optimized for high optical efficiency and shortest device lengths
- Pump wavelength 910 - 980 nm
- Low-splice-loss achieved to conventional single-mode fiber and most commercially available passive double-clad fibers
- High conversion efficiency
- Patented cladding designs result in efficient mode mixing while maintaining good splice-ability
- Robust against 1 μm parasitics

Overview

The single-mode core of this fiber is co-doped with erbium and ytterbium. It is then surrounded by a silica cladding and covered with a low-index protective coating. The resulting double clad fiber is used for single-mode fiber lasers and amplifiers operating in the 1540 to 1565 nm range.

The fiber enables fiber lasers and amplifiers with good beam profile characteristics, high wall plug efficiencies, compact footprints, superior reliability, and maintenance-free operation. It also accommodates high energies during pulsed operation and at high repetition rates.

Typical Applications

Construction of multi-watt amplifiers around 1550 nm
LIDAR, CATV, FTTx, FSOC



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Product Specifications	
Product Description	ErYb 130
Physical Characteristics	
Core numerical aperture	0.17
Cladding numerical aperture	0.45
Cutoff wavelength	< 1500 nm
Mode field diameter @ 1550 nm	7 μ m
Ytterbium clad absorption @ 915 nm	>0.5 dB/m
Erbium peak absorption near 1535 nm	40 dB/m
Star cladding diameter	130 μ m
Coating outer diameter	250 μ m
Mechanical and Environmental	
Proof Test Level	100 kpsi (0.689 GPa)
Order by Part Number	108 728 635*

For additional information please contact your sales representative.

You can also visit our website at www.ofsoptics.com or call 1-888-fiberhelp (1-888-342-3743) USA or 1-770-798-5555 outside the USA.



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