

# DCF-UN-20/125M

## Double-Clad Passive Fiber



The DCF-20/125M is designed for manufacturing passive components such as isolators and pump combiners. Its MFD is set to perfectly match the DCF-YB-20/128E used in the design of high peak power pulsed fiber lasers for material processing.

## Features & Benefits

- Low background losses
- Excellent geometrical properties
- Compatible with industry standards

## Applications

- Fiber laser
- Laser beam delivery

## Related Products

- [DCF-YB-20/128E](#)  
Matched active fiber
- [DCF-YB-20/128P-FAC](#)  
Matched active fiber

## Specifications

### Optical

Numerical Aperture - Core	0.75 ± 0.005
Numerical Aperture - Cladding	> 0.45
Mode Field Diameter (µm)	14
Background Loss @ 1100 nm (dB/m)	< 10

### Geometrical & Mechanical

Core Diameter (µm)	20 ± 2
Cladding Diameter (µm)	250 ± 5
Core/Cladding Concentricity Error (µm)	< 1.0
Coating Diameter (µm)	260 ± 20
Proof Test (kpsi)	≥ 100

### Environmental

Operating Humidity (%)	5 - 85
Operating Temperature (C°)	0 - 70
Storage Humidity (%)	5 - 85
Storage Temperature (C°)	-40 - 85

ISO 9001:2015 certified quality system | RoHS and REACH compliant.  
All specifications are subject to change without notice. Reference: 101-10-0620.R1