

# DCF-UN-32/215-070

## Double-Clad Passive Fiber

This passive fiber is designed to match the industry-standard active fiber. It can be used for the manufacturing of passive components such as pump combiners and isolators for material processing applications.

### Features & Benefits

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

### Applications

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- Passive component manufacturing for fiber lasers

### Specifications

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#### Optical

Numerical Aperture - Core	0.07 ± 0.005
Numerical Aperture - Cladding	0.45
Background Loss @ 1200 nm (dB/km)	< 10

#### Geometrical & Mechanical

Core Diameter (µm)	32 ± 2
Cladding Diameter (µm)	215 ± 2
Core/Cladding Concentricity Error (µm)	< 1
Coating Diameter (µm)	320 ± 15
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: 101-10-0951.R1