

# SCF-UN-8/125-10

## Single-Clad Passive Fiber



Used when quasi-single-mode operation is required, this passive fiber is tailored to match most commercially available doped fibers. Its low background losses make this fiber a good choice for the design and manufacturing of passive components used in fiber lasers and amplifiers.

### Features & Benefits

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

### Applications

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- Passive component manufacturing
- Fiber lasers and amplifiers
- Laser marking and engraving

### Related Products

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- [DCF-YB-8/128P-FA](#)  
Matched active fiber
- [DCF-UN-8/125-10](#)  
Double-clad passive fiber

### Specifications

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#### Optical

Numerical Aperture - Core	0.09 - 0.11
Cutoff Wavelength (nm)	850 - 1050
Background Loss @ 1200 nm (dB/km)	≤ 10

#### Geometrical & Mechanical

Core Diameter (μm)	8 ± 1
Cladding Diameter (μm)	125 ± 2.0
Core/Cladding Concentricity Error (μm)	≤ 1.0
Coating Diameter (μm)	245 ± 10
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: 100-10-0511.R1