

# SCF-UN-8/125-14

## Single-Clad Passive Fiber



This single-clad passive fiber has been designed to match doped fibers such as Coractives's DCF-EY-6/128 and DCF-EY-10/128. Its single cladding allows mode filtering to achieve effective quasi-single-mode operation. Moreover, it can be used for manufacturing passive components used in the design of fiber lasers and amplifiers.

### Features & Benefits

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

### Applications

- Passive component manufacturing
- Telecom
- Sensing
- Fiber lasers and amplifiers

### Related Products

- [DCF-EY-6/128](#)  
Matched active fiber
- [DCF-EY-10/128H](#)  
Matched active fiber
- [DCF-EY-12/130H](#)  
Matched active fiber
- [DCF-UN-8/125-14](#)  
Double-clad passive fiber

### Specifications

#### Optical

Numerical Aperture - Core	0.14 ± 0.01
Background Loss @ 1550 nm (dB/km)	< 10

#### Geometrical & Mechanical

Core Diameter (µm)	8 ± 1
Cladding Diameter (µm)	125 ± 1
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: 100-10-0071.R1