

# SCF-UN-16/125-16

## Single-Clad Passive Fiber



The SCF-UN-16/125-16 single-clad passive fiber has an MFD that matches Coractive's DCF-EY-16/128. Its single cladding allows mode filtering to achieve effective quasi-single-mode operation. With its low background losses, this fiber is ideal for manufacturing passive components used in the design of fiber lasers and amplifiers for sensing applications.

### Features & Benefits

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

### Applications

- Passive component manufacturing
- Sensing
- Fiber lasers and amplifiers

### Related Products

- [DCF-EY-16/128-16](#)  
Matched active fiber
- [DCF-UN-16/125-16](#)  
Double-clad passive fiber

### Specifications

#### Optical

Numerical Aperture - Core	0.16 ± 0.01
Mode Field Diameter @ 1550 nm - Nominal (µm)	12.6
Background Loss @ 1550 nm (dB/km)	< 10

#### Geometrical & Mechanical

Core Diameter (µm)	16 ± 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: 100-10-0783.R1