

# SCF-UN-20/125-100

## Single-Clad Passive Fiber



The SCF-UN-20/125-100 is designed to perfectly match Coractive's DCF-YB-20/128P-FAC. Its single cladding allows mode filtering to achieve effective quasi-single-mode operation. This fiber may be used for manufacturing passive components such as isolators for pulsed fiber lasers in material processing applications.

### Features & Benefits

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

### Applications

- Passive component manufacturing
- Material processing
- Fiber lasers and amplifiers

### Related Products

- [DCF-YB-20/128P-FAC](#)  
Matched active fiber
- [DCF-YB-20/128E](#)  
Matched active fiber
- [DCF-UN-20/125-100](#)  
Double-clad passive fiber

### Specifications

#### Optical

Numerical Aperture - Core	0.100 ± 0.005
Background Loss @ 1100 nm (dB/km)	< 10

#### Geometrical & Mechanical

Core Diameter (µm)	20 ± 1
Cladding Diameter (µm)	125 ± 2
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: 100-10-0684.R1