

# SCF-UN-50/125-13

## Single-Clad Passive Fiber



The SCF-UN-50/125-13 is a single-clad passive fiber designed for manufacturing passive components when quasi-single-mode operation is required. This fiber can be used in various applications such as material processing or sensing.

### 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
- Material processing
- Sensing
- Scientific/research

### Specifications

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#### Optical

Numerical Aperture - Core	0.13 ± 0.01
Background Loss @ 1200 nm (dB/km)	< 10

#### Geometrical & Mechanical

Core Diameter (µm)	50 ± 3
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: 100-10-0086.R1