

SCF-UN-6/125-12

Single-Clad Passive Fiber



This single-clad passive fiber is well-suited for manufacturing passive components when quasi-single-mode operation is required. These components are part of fiber lasers and amplifiers designed for sensing or telecom applications.

Features & Benefits

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

Applications

- Passive component manufacturing
- Telecom
- Fiber lasers and amplifiers

Specifications

Optical

| | |
|----------------------------------|-------------|
| Numerical Aperture - Core | 0.12 ± 0.01 |
| Background Loss @ 1200 nm (dB/m) | < 10 |

Geometrical & Mechanical

| | |
|--|----------|
| Core Diameter (µm) | 6 ± 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: 100-10-0070.R1