

SCF-UN-15/125-11

Single-Clad Passive Fiber



The SCF-UN-15/125-11 features low background losses and excellent geometrical properties. It is designed for manufacturing passive components such as pump combiners and isolators when quasi-single-mode operation is required. These components are part of fiber lasers and amplifiers used in material processing applications.

Features & Benefits

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

Applications

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

Specifications

Optical

Numerical Aperture - Core	0.11 ± 0.01
Background Loss @ 1200 nm (dB/km)	< 10

Geometrical & Mechanical

Core Diameter (µm)	15 ± 1
Cladding Diameter (µm)	125 ± 2
Core/Cladding Concentricity Error (µm)	< 1.0
Coating Diameter (µm)	250 ± 15
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: 100-10-0077.R1