

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
- Sensing

Related Products

- [DCF-YB-6/128S](#)
Matched active fiber
- [DCF-UN-6/125-12](#)
Double-clad passive fiber

Specifications

Optical

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