

SCF-UN-25/250-10

Single-Clad Passive Fiber



The SCF-UN-25/250-10 single-clad passive fiber is designed for quasi-single-mode operation. It features excellent geometrical properties and is used for manufacturing passive components. With its low background losses, this fiber is well-suited for the design of fiber lasers and amplifiers used in material processing or sensing 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
- Sensing

Specifications

Optical

Numerical Aperture - Core	0.10 ± 0.01
Background Loss @ 1550 nm (dB/km)	< 25

Geometrical & Mechanical

Core Diameter (µm)	25 ± 1.5
Cladding Diameter (µm)	250 ± 5
Core/Cladding Concentricity Error (µm)	< 2.5
Coating Diameter (µm)	390 ± 20
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: 100-10-0751.R1