

SCF-UN-3/125-25

Non-Linear Fiber



This single-clad passive fiber features a small effective area that allows the generation of nonlinear effects. It is specifically designed for manufacturing passive components used in applications in which nonlinear effects are desired.

Features & Benefits

- Small effective area – highly nonlinear passive fiber
- Low background losses
- Excellent geometrical properties

Specifications

Optical

Background Loss @1550 nm (dB/km)	≤ 10
MFD @ 1550nm (μm)	Typ. 4.0
Numerical Aperture - Core	0.25 ± 0.02

Applications

- Manufacturing passive components
- Raman amplifiers
- Telecommunications
- Scientific

Geometrical & Mechanical

Cladding diameter (μm)	125 ± 2
Coating Diameter (μm)	245 ± 10
Core Diameter (μm)	3 ± 0.5
Core/Cladding Concentricity Error (μm)	≤ 1.5
Proof Test (kpsi)	≤ 50

Related Products

- SCF-UN-3/125-25-PM
PM version

Environmental

Storage Temperature (°C)	-40 to +85
--------------------------	------------