

# SCF-UN-135/155-22

## Single-Clad Passive Fiber



This passive fiber is designed for the fiber coupling of high-power diode lasers. With its excellent geometrical properties, it is ideal for manufacturing passive components such as pump combiners for high-power fiber lasers.

### Features & Benefits

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

### Applications

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- Passive component manufacturing
- Fiber coupling of high-power diode lasers
- Fiber lasers and amplifiers

### Related Products

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- [SCF-UN-109/125-22](#)  
Single-clad passive fiber

### Specifications

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#### Optical

Numerical Aperture - Core	0.22 ± 0.005
Background Loss @ 1200 nm (dB/km)	< 50

#### Geometrical & Mechanical

Core Diameter (µm)	135 ± 1.5
Cladding Diameter (µm)	155 ± 1
Core/Cladding Concentricity Error (µm)	> 3.0
Coating Diameter (µm)	320 ± 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: 100-10-0931.R1