

DCF-UN-25/250-11

Double-Clad Passive Fiber



The DCF-UN-25/250-11 passive fiber has excellent geometrical properties and low background losses. It is designed to match industry-standard active fibers. It is used for manufacturing passive components required in material processing or sensing applications.

Features & Benefits

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

Applications

- Passive component manufacturing
- Fiber laser systems
- Laser beam delivery

Specifications

Optical

Numerical Aperture - Core	0.11 ± 0.005
Numerical Aperture - Cladding	> 0.45
Background Loss @ 1200 nm (dB/km)	< 10

Geometrical & Mechanical

Core Diameter (µm)	25 ± 1.5
Cladding Diameter (µm)	250 ± 5
Core/Cladding Concentricity Error (µm)	< 1.8
Coating Diameter (µm)	375 ± 20
Proof Test (kpsi)	≥ 100

Environmental

Operating Humidity (%)	5 - 85
Operating Temperature (C°)	0 - 70
Storage Humidity (%)	5 - 85
Storage Temperature (C°)	-40 - 85