

DCF-UN-6/125-12

Double-Clad Passive Fiber



The DCF-UN-6/125-12 passive fiber is used for the manufacture of passive components such as pump combiners or isolators. These components are part of high-power fiber lasers and amplifiers designed for industrial applications.

Features & Benefits

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

Applications

- Passive component manufacturing
- Fiber laser systems

Related Products

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

Specifications

Optical

Numerical Aperture - Core	0.12 ± 0.01
Numerical Aperture - Cladding	> 0.45
Background Loss @ 1200 nm (dB/km)	< 10

Geometrical & Mechanical

Core Diameter (µm)	6.5 ± 0.5
Cladding Diameter (µm)	125 ± 2
Core/Cladding Concentricity Error (µm)	< 0.8
Cladding Geometry	Round
Coating Diameter (µm)	260 ± 2
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: 101-10-0003.R1