

DCF-UN-8/125-10

Double-Clad Passive Fiber



This double-clad passive fiber is designed to match the industry standards. Its low background loss makes this fiber a good choice for the design and the manufacturing of passive components used in fiber lasers and amplifiers.

Features & Benefits

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

Applications

- Passive component manufacturing
- Telecom
- Fiber lasers and amplifiers

Related Products

- [DCF-YB-8/128P-FA](#)
Matched active fiber
- [SCF-UN-8/125-10](#)
Single-clad passive fiber

Specifications

Optical

Numerical Aperture - Core	0.10 ± 0.01
Numerical Aperture - Cladding	> 0.45
Background Loss @ 1550 nm (dB/km)	< 10.0

Geometrical & Mechanical

Core Diameter (µm)	8 ± 1
Cladding Diameter (µm)	125 ± 2
Core/Cladding Concentricity Error (µm)	< 0.8
Coating Diameter (µm)	260 ± 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: 101-10-0021.R1