

DCF-UN-25/125-10

Double-Clad Passive Fiber



The DCF-UN-25/125-10 features low background loss and is ideal for manufacturing passive components such as pump combiners or isolators. These components are used in various applications, especially for beam delivery cables for low-power fiber lasers.

Features & Benefits

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

Applications

- Passive component manufacturing
- Laser beam delivery
- Fiber lasers

Specifications

Optical

Numerical Aperture - Core	0.10 ± 0.01
Numerical Aperture - Cladding	> 0.45
Background Loss @ 1200 nm (dB/m)	< 10

Geometrical & Mechanical

Core Diameter (µm)	25 ± 2
Cladding Diameter (µm)	125 ± 2
Core/Cladding Concentricity Error (µm)	< 1.5
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: 101-10-0017.R1