

DCF-UN-16/125-16

Double-Clad Passive Fiber



The DCF-UN-16/125-16 features low background losses and has an MFD that matches the DCF-EY-16/128-16. This fiber is ideal for manufacturing passive components used in the design of fiber lasers and amplifiers for sensing applications.

Features & Benefits

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

Applications

- Fiber laser
- Laser beam delivery
- Sensing

Related Products

- [DCF-EY-16/128/16](#)
Matched active fiber

Specifications

Optical

Numerical Aperture - Core	0.16 ± 0.01
Numerical Aperture - Cladding	> 0.45
Mode Field Diameter @ 1550 nm - Nominal (µm)	12.6
Background Loss @ 1200 nm (dB/km)	< 10

Geometrical & Mechanical

Core Diameter (µm)	16 ± 1
Cladding Diameter (µm)	125 ± 1
Core/Cladding Concentricity Error (µm)	< 1.0
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: 101-10-0782.R1