

DCF-UN-15/250-10

Double-Clad Passive Fiber



The DCF-UN-15/250-10 passive fiber has been designed to match the DCF-EY-16/250P active fiber in order to minimize splicing losses. Moreover, it can be used for manufacturing passive components used in the design of fiber lasers and amplifiers.

Features & Benefits

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

Applications

- Passive component manufacturing
- Fiber lasers and amplifiers
- Sensing

Related Products

- [DCF-EY-16/250P](#)
Matched active fiber

Specifications

Optical

Numerical Aperture - Core	0.10 ± 0.005
Numerical Aperture - Cladding	> 0.45
Background Loss @ 1080 nm (dB/km)	< 5

Geometrical & Mechanical

Core Diameter (µm)	15 ± 1
Cladding Diameter (µm)	250 ± 5
Core/Cladding Concentricity Error (µm)	< 2.5
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

ISO 9001:2015 certified quality system | RoHS and REACH compliant.
All specifications are subject to change without notice. Reference: 101-10-0658.R2