

DCF-UN-8/125-14

Double-Clad Passive Fiber



This passive fiber has been designed to match active fibers such as the DCF-EY-6/128 and the DCF-EY-10/128H 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

- Compatible with industry-standard active fibers
- Low background losses
- Excellent geometrical properties

Applications

- Passive component manufacturing
- Fiber lasers and amplifiers
- Telecom

Related Products

- [DCF-EY-6/128](#)
Matched active fiber
- [DCF-EY-10/128H](#)
Matched active fiber
- [DCF-EY-12/130H](#)
Matched active fiber

Specifications

Optical

Numerical Aperture - Core	0.14 ± 0.02
Numerical Aperture - Cladding	> 0.45
Background Loss @ 1550 nm (dB/km)	< 10.0

Geometrical & Mechanical

Core Diameter (µm)	8 ± 1
Cladding Diameter (µm)	125 ± 1
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: 101-10-0005.R1