

DCF-UN-8/200-10

Double-Clad Passive Fiber



The DCF-UN-8/200-10 passive fiber is designed to match the industry-standard active fiber. It can be used for the manufacturing of passive components such as pump combiners and isolators. Its low background loss also makes it a good choice for the design of telecom market components.

Features & Benefits

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

Applications

- Passive component manufacturing
- Telecom
- Fiber lasers and amplifiers

Specifications

Optical

Numerical Aperture - Core	0.10 ± 0.01
Numerical Aperture - Cladding	> 0.46
Background Loss @ 1200 nm (dB/km)	< 5.0

Geometrical & Mechanical

Core Diameter (µm)	8 ± 1
Cladding Diameter (µm)	195 ± 4
Core/Cladding Concentricity Error (µm)	< 1.3
Coating Diameter (µm)	320 ± 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: 101-10-0291.R3