

DCF-UN-20/250-070

Double-Clad Passive Fiber



The DCF-UN-20/250-070 passive fiber features excellent geometrical properties. It is specially designed for manufacturing fiber laser passive components such as power combiners or isolators. This fiber can also be used for beam delivery cables for low-power industrial fiber lasers.

Features & Benefits

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

Applications

- Passive component manufacturing
- Fiber laser systems
- Laser beam delivery

Specifications

Optical

Numerical Aperture - Core	0.070 ± 0.075
Numerical Aperture - Cladding	> 0.45
Background Loss @ 1200 nm (dB/m)	< 10

Geometrical & Mechanical

Core Diameter (µm)	20 ± 2
Cladding Diameter (µm)	250 ± 5
Core/Cladding Concentricity Error (µm)	< 1.0
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: 101-10-0667.R1