

DCF-UN-30/250-070

Double-Clad Passive Fiber



This double-clad passive fiber perfectly matches Coractive's DCF-YB-30/250EH active fiber. It is ideal for the manufacture of passive components used in the design of high peak power pulsed fiber lasers for material processing applications. Moreover, using this fiber to match the active fiber greatly reduces the splicing loss when building the laser source.

Features & Benefits

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

Applications

- Passive component manufacturing
- Pulsed fiber laser systems
- Laser cleaning

Related Products

- [DCF-YB-30/250EH](#)
Matched active fiber
- [SCF-UN-30/250-070](#)
Single-clad passive fiber

Specifications

Optical

Numerical Aperture - Core	0.070 ± 0.005
Numerical Aperture - Cladding	> 0.45
Background Loss @ 1200 nm (dB/km)	< 15

Geometrical & Mechanical

Core Diameter (µm)	30 ± 2
Cladding Diameter (µm)	250 ± 5
Core/Cladding Concentricity Error (µm)	< 1.5
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: 101-10-0673.R1