DCF-UN-25/250-08

Double-Clad Passive Fiber

This double-clad passive fiber perfectly matches Coractive's DCF-EY-25/250P-ASEF active fiber. It is ideal for the manufacture of passive components used in the design of high power fiber lasers . 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
- Compatbile with industry standards

Applications

- Passive component manufacturing
- Laser beam delivery
- Fiber lasers

Related Products

- DCF-EY-25/250P-ASEF

Specifications

Optical

Background Loss @1200 nm (dB/km)	<= 10
Numerical Aperture - Cladding	Min 0.45
Numerical Aperture - Core	0.08 ± 0.01

Geometrical & Mechanical

Cladding diameter (µm)	250 ± 5
Coating Diameter (µm)	375 ± 20
Core Diameter (µm)	25 ± 2
Core/Cladding Concentricity Error (µm)	<= 1.5
Proof Test (kpsi)	>= 100

Environmental

Storage Temperature (°C)	-40 to +85