

# DCF-UN-10/245-080

## Double-Clad Passive Fiber



This double-clad passive fiber provides optimal matching and minimal splice losses when matched with Coractive's DCF-YB-15/250P-FVA active fiber. The DCF-UN-10/245-080 fiber is ideal for manufacturing passive components such as pump combiners used in the design of CW fiber lasers for material processing applications.

### Features & Benefits

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

### Applications

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- Passive component manufacturing
- Fiber laser systems

### Related Products

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- [DCF-YB-15/250P-FVA](#)  
Matched active fiber

### Specifications

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#### Optical

Numerical Aperture - Core	0.0775 ± 0.0025
Numerical Aperture - Cladding	> 0.45
Background Loss @ 1200 nm (dB/km)	< 10

#### Geometrical & Mechanical

Core Diameter (µm)	10.0 ± 0.5
Cladding Diameter (µm)	245 ± 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: 101-10-0842.R1