



# DCF-UN-10/130-15

## Double-Clad Passive Fiber

This passive fiber has been designed to match active fibers such as the DCF-TM-10/130-14 and the DCF-TM-10/130P-15 in order to minimize splicing losses. Moreover, it can be used for manufacturing passive components used in the design of fiber lasers and amplifiers.

### Features & Benefits

- Compatible with industry-standard active fibers
- Low background losses
- Excellent geometrical properties
- Easy to maintain single-mode through fiber & components

### Applications

- Passive component manufacturing
- Eye Safe industrial and medical lasers
- Fiber lasers and amplifiers
- Low to mid power CW and pulsed

### Related Products

- DCF-TM-10/130-14  
Matched active fiber
  
- DCF-TM-10/130P-15  
Matched active fiber

### Specifications

#### Optical

Numerical Aperture - Cladding	Min 0.45
Numerical Aperture - Core	0.14 ± 0.01

#### Geometrical & Mechanical

Cladding diameter (µm)	128 ± 3
Coating Diameter (µm)	245 ± 10
Core Diameter (µm)	10 ± 1
Core Ovality (%)	≤ 9
Core/Cladding Concentricity Error (µm)	≤ 1.5
Proof Test (kpsi)	≤ 100

#### Environmental

Storage Temperature (°C)	-40 to +85
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