

# DCF-UN-50/400-12

## Beam Delivery Fiber



The DCF-UN-50/400-12 matches most industry-standard active fibers and is ideal as a beam delivery cable for high-power CW fiber lasers used in laser cutting applications.

## Features & Benefits

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- Compatible with industry-standard active fibers
- Low background losses
- Excellent geometrical properties

## Applications

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- Fiber laser beam delivery

## Specifications

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### Optical

Numerical Aperture - Core	0.12 ± 0.01
Numerical Aperture - Cladding	> 0.5
Background Loss @ 1200 nm (dB/m)	< 10

### Geometrical & Mechanical

Core Diameter (µm)	50 ± 5
Cladding Diameter (µm)	400 ± 10
Core/Cladding Concentricity Error (µm)	< 2.5
Coating Diameter (µm)	560 ± 10
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: 101-10-0563.R1