

DCF-UN-50/400-15

Beam Delivery Fiber



The DCF-UN-50/400-15 matches 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

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

Applications

- Fiber laser beam delivery
- Laser cutting

Specifications

Optical

Numerical Aperture - Core	0.15 ± 0.01
Numerical Aperture - Cladding	> 0.46
Background Loss @ 1200 nm (dB/km)	< 10

Geometrical & Mechanical

Core Diameter (µm)	50 ± 1
Cladding Diameter (µm)	400 ± 5
Core/Cladding Concentricity Error (µm)	< 1.8
Coating Diameter (µm)	560 ± 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: 101-10-0018.R3