

DCF-UN-100/125/200-15

Beam Delivery Fiber



The DCF-UN-100/125/200-15 passive fiber features excellent geometrical properties and matches most industry standard active fibers on the market. With its triple-clad construction, this multi-mode fiber presents excellent loss management and is ideal as a beam delivery cable for high-power CW fiber lasers.

Features & Benefits

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

Applications

- Fiber laser beam delivery
- Material processing

Specifications

Optical

Numerical Aperture - Core	0.15 ± 0.02
Numerical Aperture - Cladding	> 0.45
Background Loss @ 1200 nm (dB/km)	< 10.0

Geometrical & Mechanical

Core Diameter (µm)	100 ± 5
Cladding Diameter (µm)	200 ± 5
Core/Cladding Concentricity Error (µm)	< 3.0
Coating Diameter (µm)	320 ± 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: 101-10-0852.R1