

DCF-UN-16/400-10

Double-Clad Passive Fiber



Passive components are usually manufactured with a passive fiber that matches the gain fiber as it greatly reduces splicing losses and maximizes transfer efficiency. The DCF-UN-16/400-10 is designed to perfectly match industry standard active fibers. It is well-suited for manufacturing passive components for material processing and sensing applications.

Features & Benefits

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

Applications

- Passive component manufacturing
- Sensing

Specifications

Optical

Numerical Aperture - Core	0.100 ± 0.005
Numerical Aperture - Cladding	> 0.45
Background Loss @ 2000 nm (dB/km)	< 50

Geometrical & Mechanical

Core Diameter (µm)	16 ± 1
Cladding Diameter (µm)	400 ± 10
Core/Cladding Concentricity Error (µm)	< 2.0
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: 101-10-0570.R1