

SCF-UN-10/125-080

Single-Clad Passive Fiber



The DCF-UN-10/125-080 single-clad fiber perfectly matches Coractive's DCF-YB 10/128E. Its single cladding allows mode filtering to achieve effective quasi-single-mode operation. It is mostly used for manufacturing output isolators for pulsed fiber lasers.

Features & Benefits

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

Applications

- Passive component manufacturing
- Fiber lasers and amplifiers
- Laser marking and engraving

Related Products

- [DCF-YB-10/128E](#)
Matched active fiber
- [DCF-YB-12/128P-FA](#)
Matched active fiber
- [DCF-UN/125-080](#)
Double-clad passive fiber

Specifications

Optical

Numerical Aperture - Core	0.080 ± 0.005
Background Loss @ 1550 nm (dB/km)	< 10

Geometrical & Mechanical

Core Diameter (µm)	10 ± 1
Cladding Diameter (µm)	125 ± 2
Core/Cladding Concentricity Error (µm)	< 1.0
Coating Diameter (µm)	245 ± 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: 100-10-0541.R1