

Corning® Titania-Clad Optical Fiber

Single Mode / Bend Insensitive

CORNING



*Titania-Clad,
single mode fiber
enabling a bend
radius as small as
2.5mm*

Manufactured with Corning's patented Outside Vapor Deposition (OVD) process, Corning® Titania-Clad Optical Fiber offer world-class durability and reliability. The tight 2.5mm bend radius enables the continued pursuit of smaller component packages.

Applications:

- Designed specifically for photonic components in small package sizes with ultra-tight bend requirements
- EDFAs, couplers, and other WDM components
- Laser diode pigtails

Features:

- 2.5mm bend radius
- Outstanding consistency and uniformity using Corning's patented OVD process
- Excellent geometric control
- Enhanced fatigue resistance

Key Optical Specifications

Operating Wavelength (nm)	1550
Cabled Cutoff Wavelength (nm)	≤ 1520
Maximum Attenuation @ 1550 nm (dB/km)	≤ 0.3
Mode Field Diameter @ 1550 nm (μm)	9.1 ± 0.5

Key Geometric, Mechanical, and Environmental Specifications

Cladding Outside Diameter (μm)	125 ± 0.7
Cladding Outside Material	Titania
Coating Outside Diameter (μm)	245 ± 10
Core-to-Cladding Concentricity (μm)	≤ 0.5
Proof Test (kpsi)	100
Operating Temperature (°C)	-60 to +85
Coating Type	UV Curable Acrylate

Performance Characterizations

Recommended Minimum Bend Radius (mm)	2.5
Average Bend Loss 1550nm with 3 turns @ 2.5mm radius	0.5 dB/turn

For more information about Corning's leadership in Specialty Fiber technology, visit our website at www.corning.com/specialtyfiber
To obtain additional technical information, an engineering sample or to place an order for this product, please contact us at:

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