

Corning® Titania-Clad Optical Fiber

Single Mode, Bend Insensitive



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 offers 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 pigtailed

Features

- 2.5mm bend radius
- Outstanding consistency and uniformity using Corning's patented OVD process
- Excellent geometric control
- High core index of refraction

Key Optical Specifications

Titania-Clad Optical Fiber

Maximum Attenuation @ 1550 nm (dB/km)	≤ 0.3
Cabled Cutoff Wavelength (nm)	≤ 1520
Bend Loss 1550 nm with 3 turns @ 2.5 mm radius	0.5 dB/turn
Mode Field Diameter @ 1550 nm (μm)	9.1 ± 0.5

Key Geometric Specifications

Cladding Outside Diameter (μm)	125 ± 0.7
Cladding Outside Material	Titania
Coating Outside Diameter (μm)	245 ± 10
Cladding Non-Circularity	≤ 0.5 %
Core-to-Cladding Concentricity (μm)	≤ 0.5
Proof Test (kpsi)	100
Recommended Minimum Bend Radius (mm)	2.5

Performance Characterizations

Operating Temperature Range (°C)	-60 to 85
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Other

Coating Type	UV Curable Acrylate
Fiber Color	Clear/Natural

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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