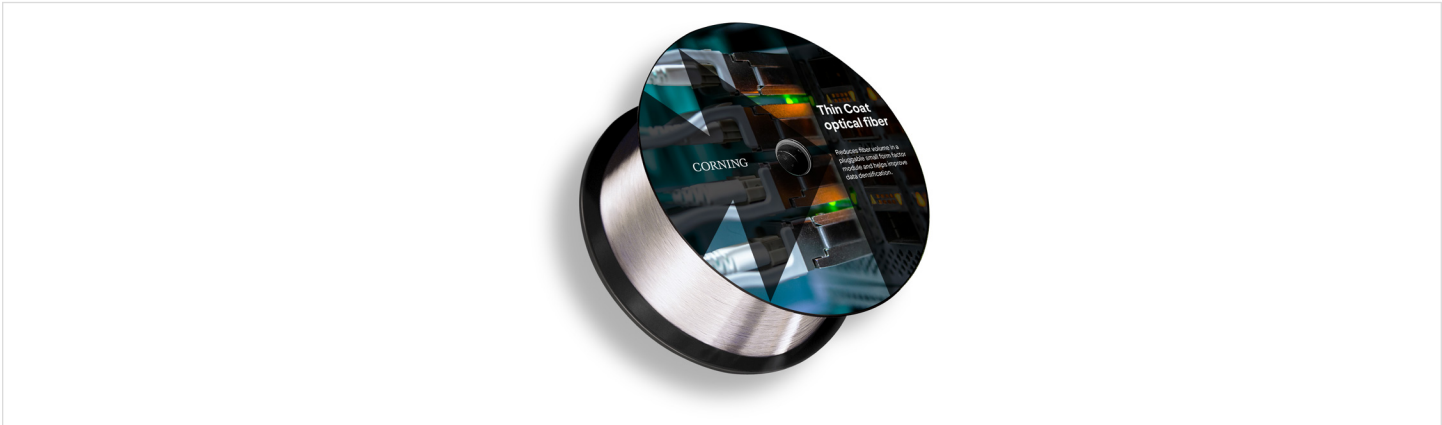


Corning® RC HI 1060 Thin Coat Specialty Optical Fiber

High Index/Low-Cutoff Fiber with Reduced Coating for Fiber Bragg Grating (FBG) and Pigtails



Industry standard for 980 nm and 1060 nm pump pigtails for high performance components and small footprint assemblies

Manufactured with Corning’s patented outside vapor deposition (OVD) process, Corning® RC HI 1060 Thin Coat (TC) Specialty Fiber offers world-class durability and reliability. When used as component pigtails, this thin coat fiber with reduced cross section allows for efficient fiber coupling within photonic products, enabling device miniaturization and small-size packaging while maintaining connectivity compatibility with legacy fibers.

Applications	
Photonic products and fused fiber couplers	Laser Diode
Component fiber for EDFAs, FBGs, and other WDM components	Gratings
Pigtails for pump lasers	

Features	
Outstanding consistency and uniformity using Corning’s patented OVD process	Efficient coupling
Dual acrylate coating system provides excellent protection from microend-induced attenuation and superior mechanical robustness	High numerical aperture
Excellent geometry control	RC HI 1060 TC offers 80 µm cladding diameter for subminiature packaging
High core index of refraction	Thin coat version provides reduced coating outside diameter of 130 µm for further compact size and device densification

Key Optical Specifications	RC HI 1060 Thin Coat
Operating Wavelength (nm)	≥ 980
Fiber Cutoff Wavelength (nm)	920 ± 50
Maximum Attenuation (dB/km)	2.1 @ 980 nm 1.5 @ 1060 nm
Mode-field Diameter (μm)	5.9 ± 0.3 @ 980 nm 6.2 ± 0.3 @ 1060 nm

Key Geometric, Mechanical, and Environmental Specifications	RC HI 1060 Thin Coat
Cladding Outside Diameter (μm)	80 ± 1
Coating Outside Diameter (μm)	130 ± 10
Core-to-Cladding Concentricity (μm)	≤ 0.5
Minimum Order Quantity (m)	500
Proof Test (kpsi)	200
Operating Temperature ($^{\circ}\text{C}$)	-60 to +85

Performance Characterizations*	RC HI 1060 Thin Coat
Nominal Delta (%)	0.48 @ 850 nm
Numerical Aperture	0.14 @ 850 nm
Refractive Index Value – Core	1.459 @ 850 nm
Core Diameter (μm)	5.0
Dispersion (ps/nm/km)	-54 @ 980 nm -39 @ 1060 nm

*Values in this table are nominal or calculated values

For more information about Corning's leadership in specialty fiber technology, visit our website at 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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