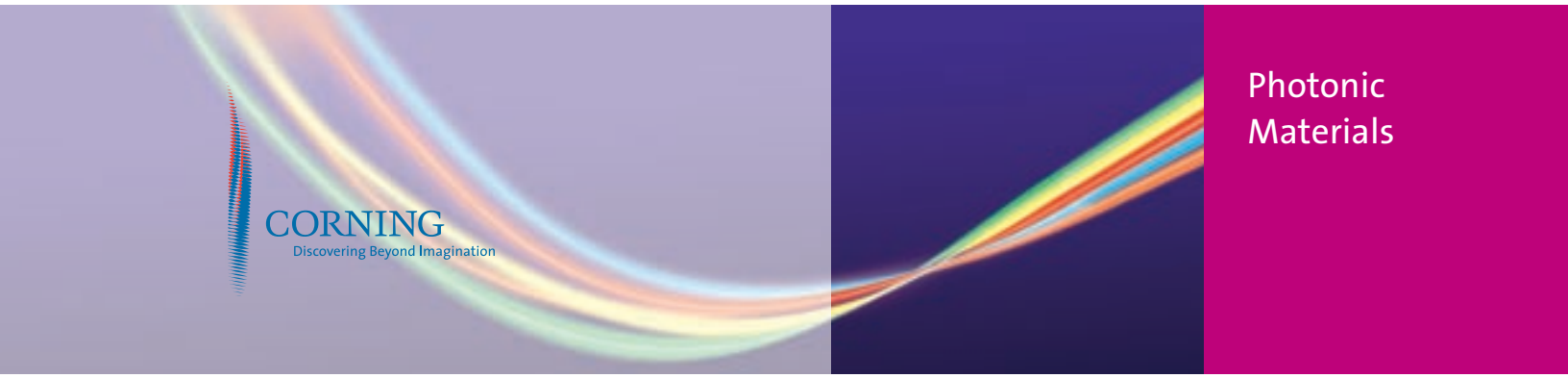
Corning® HI 1060 Specialty Fiber

Single-mode Component Fiber for High Performance Photonic Applications



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Manufactured with Corning's patented outside vapor deposition process, Corning HI 1060 Specialty Fiber offers world-class durability and reliability. When used as component pigtails, this fiber allows for efficient fiber coupling within photonic products.

Applications

- Photonic products and fused fiber couplers
- Component fiber for EDFAs, couplers, other DWDM components
- Laser diode pigtails

Features

- Patented outside vapor deposition process provides outstanding consistency and uniformity
- Dual acrylate coating system provides excellent protection from microbend-induced attenuation
- Excellent geometry control
- High core index of refraction
- Efficient coupling
- High numerical aperture

Key Optical Specifications

Maximum Attenuation	2.1 dB/km @ 980 nm 1.5 dB/km @ 1060 nm
Cutoff Wavelength	920 nm ± 50 nm
Mode-field Diameter	5.9 µm ± 0.3 µm @ 980 nm 6.2 µm ± 0.3 µm @ 1060 nm

Key Geometric Specifications

Cladding Outside Diameter	125 µm ± 0.5 µm
Coating Outside Diameter	245 µm ± 10 µm
Core-to-cladding Offset	≤ 0.3 µm

Performance Characterizations

Operating Temperature	-60°C to 85°C
Nominal Delta	0.45%
Numerical Aperture (Typical)	0.14
Standard Lengths	0.5, 1, 2, 5 km
Proof Test	100, 200 kpsi

For More Information

For more information about Corning's leadership in specialty fiber technology, visit our website at www.corning.com/photonicmaterials.

To obtain additional technical information or an engineering sample, or to place an order for this product, please contact us:

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