

1409 Fiber Spool

SMF2002



HI1060 Fiber

HI1060 fiber is manufactured with patented outside vapor deposition process which provides outstanding consistency and uniformity, and dual acrylate coating system which provides excellent protection from microbend-induced attenuation. It also has high core index of refraction, efficient coupling and high numerical aperture. It can be used in photonic products and fused fiber couplers, component fiber for EDFAs, couplers, other DWDM components and laser diode pigtail.

FEATURES

- Dual Acrylate Coating System Provides Excellent Protection from Microbend-induced Attenuation and Superior Mechanical Robustness
- Excellent Geometry Control
- High Core Index Of Refraction
- Efficient Coupling
- High Numerical Aperture
- Outstanding Consistency and Uniformity

USE IN

- Photonic Products and Fused Fiber Couplers
- Laser Diode Pigtails
- Component Fiber for EDFAs, Couplers, Other DWDM Components
- Gratings

Operating Wavelength	980 nm min.
Attenuation	2.1 dB/km max.@980 nm 1.5 dB/km max.@1060 nm
Cutoff Wavelength	920±50 nm
Mode-field Diameter	5.9±0.5 μm@980 nm, 6.2±0.5 μm@1060 nm
Cladding Outside Diameter	125±0.5 μm
Coating Outside Diameter	245±10 μm
Core-to-cladding Offset	0.3 μm max.
Band Loss @ 20 mm O.D.; 1150 nm	0.01 dB/turn max.
Operating Temperature	-60°C to +85°C
Nominal Delta	0.48%
Numerical Aperture	0.14
Refractive Index Value – Core	1.464 @ 651 nm
Dispersion	-53 ps/nm/km @ 980 nm; -38 ps/nm/km @ 1060 nm
Standard Lengths	500m, 1 Km, 2 Km, 5 Km, 10 Km
Proof Test	100, 200 kpsi min.