



Fiberguide Industries

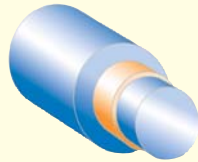
Anhydroguide™ Low OH and Superguide™ Standard OH Optical Fiber



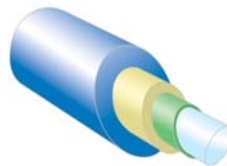
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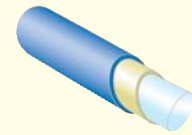
MULTIMODE, STEP INDEX



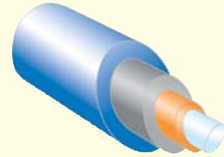
Hard Clad Silica
 (Low OH) and (Standard OH), 0.39 N.A.
 • Low cost
 • Tefzel® buffer
 • Efficient light coupling
 • Medical and industrial applications
 • Short-haul data transmission



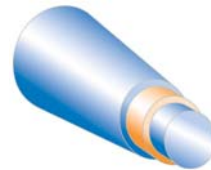
Hard Coated Silica/Silica
 (Low OH) and (Standard OH), 0.22 N.A.
 • Tefzel® buffer
 • High power laser delivery systems
 • Can be sterilized
 • Most cost effective for surgical lasers
 • Nuclear plasma diagnostics



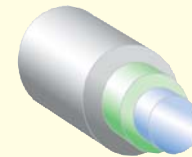
Plastic Clad Silica
 (Low OH) and (Standard OH), 0.37 N.A.
 • Tefzel® buffer
 • Efficient light coupling
 • Superior transmission in bends
 • Medical and industrial applications
 • Military ordnance



Plastic Coated Silica/Silica
 (Low OH) and (Standard OH), 0.22 N.A.
 • Polyimide buffer available
 • High refractive index
 • Resists solvents and acids
 • High temperature handling
 • Medical instrumentation
 • Aerospace and semiconductors



Acrylate Coated Silica/Silica Tapered
 (Low OH) and (Standard OH)
 • Continuous length - no fused section
 • Highest power handling
 • Lowest loss type of taper
 • Medical instrumentation
 • Industrial applications



Solarization Resistant Silica/Silica
 (Standard OH), 0.22 N.A.
 • Use in extreme temperatures
 • Stress corrosion resistant
 • Organic solvent resistant
 • Lowest loss fiber
 • Strongest fiber in the industry for UV
 • Can be sterilized

SPECIALTY



Graded-Index Silica/Silica
 • Polyimide or gold buffer available
 • Uses less expensive interconnections
 • Optimized for 850nm VCSELs
 • Laser rated for GbE LANs
 • Industrial data communications
 • Shipboard networks



Single Mode Silica/Silica
 • Polyimide or gold buffer available
 • High quality output beam
 • Output has a fixed spatial shape
 • Can be used in severe temperature
 • Oil and gas applications
 • Medical devices



Metal Coated Silica/Silica
 • Gold: -269°C to +700°C
 • Aluminum: -269°C to +400°C
 • No outgassing or oxidation
 • Aircraft, missiles, and spacecraft
 • Radiation resistant sensors
 • Ultra high vacuum devices

www.fiberguide.com

FIBERGUIDE INDUSTRIES

The Anhydroguide™ Series Low OH optical fibers (VIS-IR) can be used with the following types of lasers:

- Pulsed Dye - 595nm
- Diode - 635-830nm
- Krypton - 647-799nm
- Ruby - 694nm
- Alexandrite - 755nm
- GaAs/GaAlAs - 780-905nm

- InGaAs - 980nm
- Nd:YAG - 1064nm
- Er:Glass - 1540nm
- Ho:YAG - 2080nm

The Superguide™ Series Standard OH optical fibers (UV-VIS) can be used with the following types of lasers:

- Argon SHG - 244-264nm
- KrF - 248nm

- Krypton SHG - 284nm
- XeCl - 308nm
- N2 - 337nm
- XeF - 351nm
- Argon - 364-514nm
- Krypton - 416-568nm
- HeCd - 442nm
- Cu - 511nm, 578nm
- DPSS - 532nm
- HeNe - 543nm