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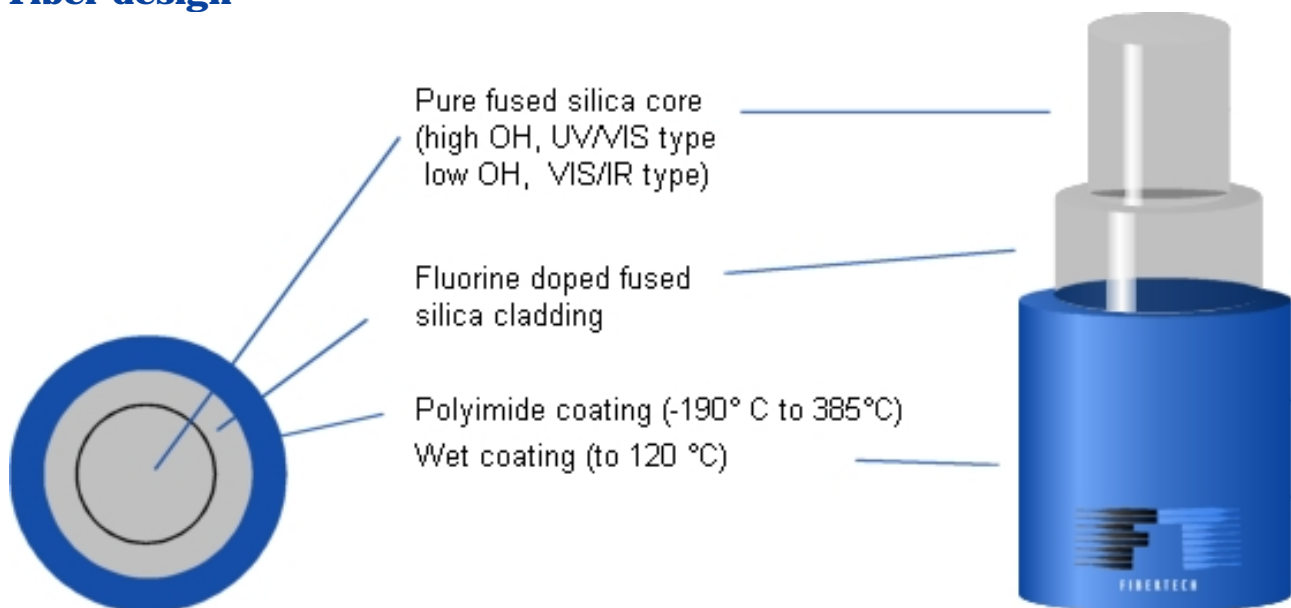


UV/VIS and VIS/IR Fibers for Fiber Bundles

Features

- **High core to clad ratio for high efficiency bundles**
- **Superior transmission in the UV/VIS or VIS/IR wavelength range**
- **Non solarization UV fiber available**
- **Ultra low OH- IR fiber available**
- Radiation resistant
- Specialty coatings available for high temperatures, high vacuum and harsh chemicals environments
- Biocompatible materials
- Sterilizable by ETO, e-beam, gamma radiation

Fiber design



Fiber properties

- Step index profile
- Core/clad ratio:
1.05, 1.1 (UV/VIS Type)
1.1, 1.2, 1.4 (VIS/IR Type)
- Numerical aperture: 0.22 ± 0.02
- Proof test level: 40 kpsi
- Radiation induced attenuation:
< 10 dB/km at dose values up to 1 Mrad

Options

- Numerical apertures: 0.10, 0.26
- High voltage resistant wet coating (to 120°C)
- Specialty fiber bundles
- High temperature AS (200°C)

Applications

Industrial

- Remote illumination
- Reflective sensors
- Optical pyrometers
- High vacuum
- Quality control
- Scanning, counting, monitoring
- Smoke detection

Scientific

- Spectroscopy
- Fluorescence excitation
- Particle detection
- Photoinitiated chemistry
- Microscope illumination

Spectral attenuation

UV/VIS bundle (AS100/105UVPI) / VIS/IR bundle (AS200/220IRPI)

