AFL

SPECIALTY OPTICAL FIBER

PURE SILICA CORE SINGLE-MODE FIBER WITH METALLIC COATING – RATED FOR 500ºC SERVICE

VHT500

Applications

- Oil process monitoring
- Enhanced / Supercritical Geothermal applications
- High-Temperature Oil / Gas downhole acoustic / Strain / Temperature monitoring

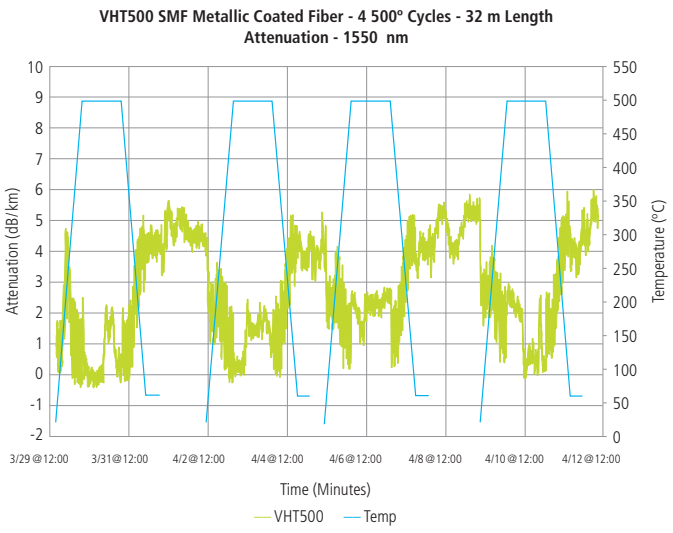
Features

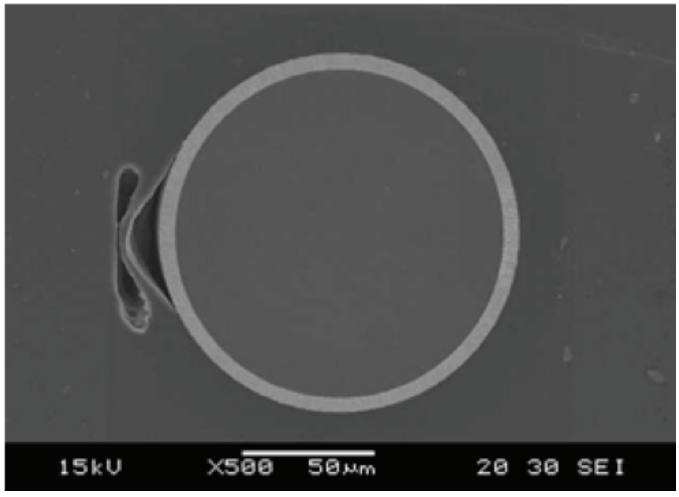
- Pure Silica Core chemistry for improved performance in hydrogen-rich environments
- MFD compatible with standard SMF for ease of splicing and minimal splice loss
- Patent-pending process prevents fibers from "cold bonding" to metal tubes or other metallic-coated fibers
- Available in long lengths
- Industry-standard 125 µm clad diameter

Fiber Properties

- Attenuation: ≤ 5 dB/km @ 1310 nm and 1550 nm
- Numerical Aperture: 0.12
- Cutoff Wavelength: ≤ 1530 nm
- Mode Field Diameter @ 1550 nm: 10 µm +/- 0.7 µm
- Clad Diameter: 125 µm
- Coating Diameter: 131 mm +5/-2 µm
- Prooftest Level: ≥ 50 kpsi
- Operating Temperature: -60°C to +500°C

PERFORMANCE





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