

ULTIMATE PERFORMANCE MULTIMODE FIBER WITH METALLIC COATING – RATED FOR 500°C SERVICE

VHT5000

Applications

- Process monitoring
- Enhanced / Supercritical Geothermal applications
- High-Temperature Oil/Gas downhole temperature monitoring

Features

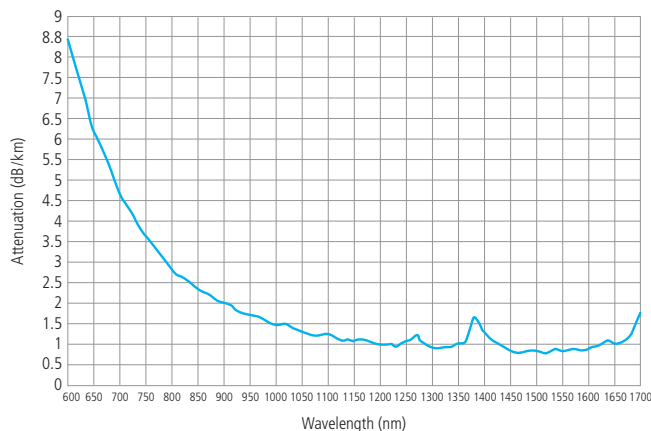
- Ultimate glass resistance to hydrogen at high temperatures and pressures
- Patent-pending process prevents fibers from “cold bonding” to metal tubes or other metallic-coated fibers
- Available in long lengths (multi-kilometers)
- Industry-standard 125 μm clad diameter

Fiber Properties

- Attenuation ≤ 5 dB/km between 850 nm and 1300 nm
- Numerical Aperture: 0.20
- Bandwidth @ 850nm and 1300nm: ≥ 300 MHz/km
- Clad Diameter: 125 μm
- Coating Diameter: 131 μm +5/-2 μm
- Proof test Level: ≥ 50 kpsi
- Operating Temperature: -60°C to 500°C

PERFORMANCE

VHM5000 - Metallic Coating Combination - Spectral Attenuation
88 m Length, 300 mm Diameter Loose Coil



VHM5000 Metallic Coated Fiber (43 m)
34 hour 500°C Cycle AFTER conclusion of 900 hours @ 500°C

