



ULTIMATE HARSH-ENVIRONMENTS FIBER VHS500 SERIES PURE SILICA CORE SINGLE-MODE

Applications

- DAS / DTS / DSS monitoring
- Any high temperature, hydrogen-rich environment applications
- Radiation environments

Features

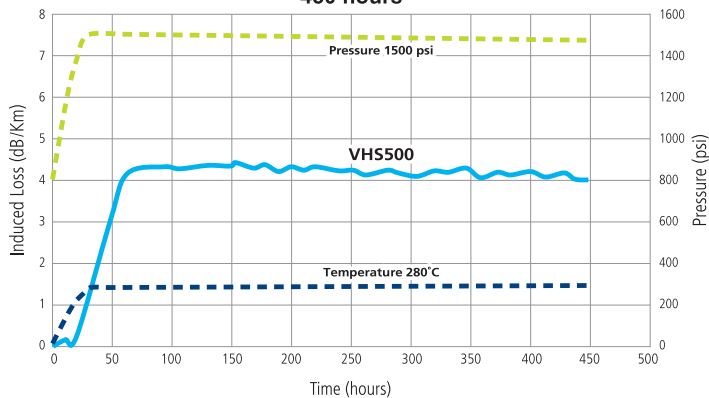
- 1550 nm operating wavelength
- Entirely fluorinated cladding
- Excellent hydrogen resistance
- Extremely low bend sensitivity
- Available with all harsh environments coatings
- Mode field compatible with standard single mode fiber for low splice loss

Fiber Properties

- NA: 0.12
- Clad Diameter: 125 μm
- Cutoff Wavelength: ≤ 1530 nm
- Mode Field @ 1550 nm: 10 ± 0.7 μm
- Attenuation @ 1550 nm: ≤ 0.8 dB/km

PERFORMANCE

VHS500 H₂ Induced Loss @ 1550 nm
8.5% H₂, 280°C & 1500 psi
450 hours



VHS500 Bend Loss @ 1550 nm
10 Wraps, 18.9 mm Mandrel
4 to 5 tests per preform

