

# Near UV-VIS Silica Core Fiber

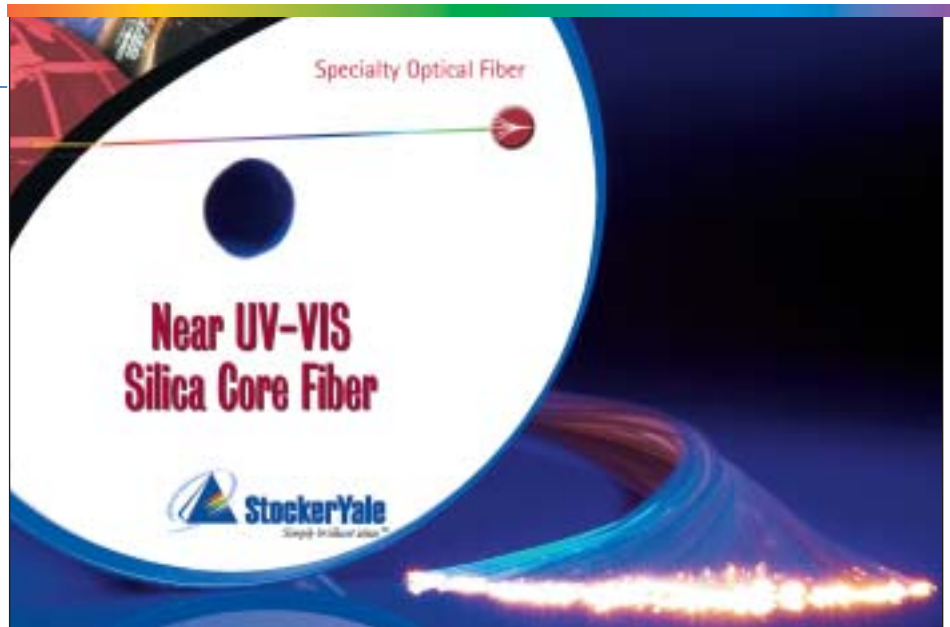
NUV-320-K 1

## FEATURES

- Excellent geometric specifications
- Designed for single-mode operation in the near UV-visible wavelength range
- Available in 125  $\mu\text{m}$  clad diameter

## APPLICATIONS

- Fiber optic probes
- Fiber Coupled Helium Cadmium Lasers



## TECHNICAL SPECIFICATIONS

Product Code	NUV-320-K1
Operating Wavelength	320-450 nm
Cut-off wavelength	< 300 nm
Numerical aperture (nominal)	0.12
Attenuation @ 320 nm	$\leq 200$ dB/km
Attenuation @ 400 nm	$\leq 70$ dB/km
Cladding diameter	$125 \pm 1$ $\mu\text{m}$
Coating diameter (acrylate)	$245 \pm 10$ $\mu\text{m}$
Proof test level	100 kpsi
Coating material	UV-Cured Dual Acrylate

StockerYale's NUV-320-K1 fiber is designed for single mode operation in the near ultra-violet region. The single mode design makes this fiber ideal for an array of fiber optic probes used in a variety of UV-VIS spectroscopy applications such as color monitoring, film thickness, chemical and nuclear processing, pharmaceuticals, emission monitoring and other applications in the near UV spectrum.



For more information contact us at [opticalsales@stockeryale.com](mailto:opticalsales@stockeryale.com) or call a sales representative at (603) 870-8286.

**Corporate Headquarters**  
32 Hampshire Road  
Salem, New Hampshire 03079 USA  
603-893-8778  
Fax: 603-893-5604  
[opticalsales@stockeryale.com](mailto:opticalsales@stockeryale.com)  
[www.stockeryale.com](http://www.stockeryale.com)

StockerYale and the StockerYale logo are trademarks of StockerYale, Inc. All other brand and product names are trademarks or registered trademarks of their respective holders.

Copyright © September 2004 StockerYale, Inc. Printed in the USA  
All rights reserved. SOF-033-04