



**OFS Fitel, LLC**

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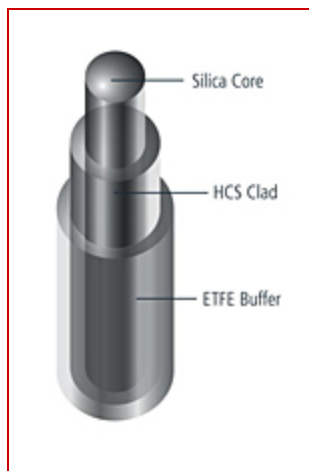
**Phone:**+1 770.798.5555

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## Item # CF01493-20, 400 0.37 NA High OH Optical Fiber

For coupling to LED and laser sources, these larger core diameter fibers connect more efficiently and less expensively than Single-mode or Graded-Index fibers. For medical applications, they are USP Class VI non toxic, biocompatible, and sterilizable. Part of the HCS fiber family, the 200 and 400  $\mu\text{m}$  sized fibers are compatible with crimp and cleave termination.



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### Optical Properties

Type	Multimode Step-Index
Numerical Aperture	0.37
Attenuation	@ 820 nm, $\leq 12$ dB/km
Water Content	High OH

### Dimensions/Geometric Properties

Core Diameter	400 ± 8 µm
HCS® Cladding Diameter	430 +5 / -10 µm
ETFE Buffer Diameter	730 ± 30 µm
Core/Clad Offset	≤ 8.0 µm
Crimp & Cleave Compatible	Yes

## Coating/Buffer Descriptions

Cladding Material	HCS
Buffer Material	ETFE
Operating Temperature	-65 to +125 °C

## Mechanical and Testing Data

Short-Term Bend Radius	≥ 29 mm
Long-Term Bend Radius	≥ 47 mm
Proof Test Level	≥ 100 kpsi 0.689 GPa

## How To Order:

Product Description Code	HCN-M0400T
Order From Location	AVON LOCATION 1.888.438.9936 toll-free in the United States and Canada 1.860.678.0371 from outside the U.S.A. 55 Darling Drive Avon, CT 06001, USA
Order By Item #	CF01493-20

## Typical Applications

High-Power Laser Delivery  
Laser Surgery  
Medical Diagnostic Assemblies  
Medical Lasers  
Sensing  
UV to Visible Spectroscopy

## Options

Buffer Color  
Buffer Diameter  
Buffer Material  
Cabling  
Connectorization  
Numerical Aperture