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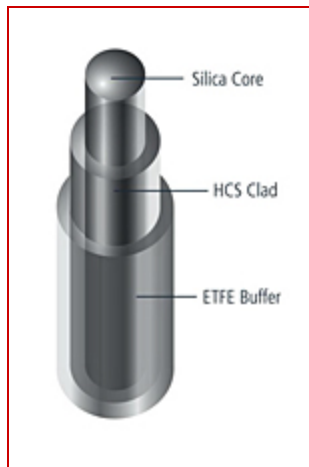
**Phone:**+1 770.798.5555

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## Item # CF01493-65, 800 $\mu\text{m}$ HCS 0.37 NA Low OH Optical Fiber

These fibers are ideally suited for use with both 650 and 850 nm active devices. 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.



Optical Properties | Dimensions/Geometric Properties | Coating/Buffer Descriptions | Mechanical and Testing Data | How To Order: | Applications For Any And/Or All Of These Products | Options

### Optical Properties

Type	Multimode Step-Index
Numerical Aperture	0.37
Attenuation	@ 850 nm, $\leq 8$ dB/km
Water Content	Low OH

### Dimensions/Geometric Properties

Core Diameter	800 ± 15 µm
HCS® Cladding Diameter	830 ± 15 µm
ETFE Buffer Diameter	1040 ± 30 µm
Core/Clad Offset	≤ 9 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	≥ 73 mm
Long-Term Bend Radius	≥ 118 mm
Proof Test Level	≥ 80 kpsi 0.552 GPa

## How To Order:

Product Description Code	HCP-M0800T
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 #	CF01493-65

## Applications For Any And/Or All Of These Products

Automotive  
Avionics Communications  
Electric Power Generation SCADA Systems  
High-Power Laser Delivery  
Illumination  
Industrial Automation / Control  
Laser Therapy and Surgery  
LED and Laser Source Coupling  
Medical lasers  
Near-IR Spectroscopy  
Nuclear Plasma Diagnostics  
Optical Pyrometry  
Semiconductor Equipment  
Sensing  
Short- to medium distance communications

## Options

Buffer Color  
Buffer Diameter  
Buffer Material  
Proof Test