



OFS Fitel, LLC

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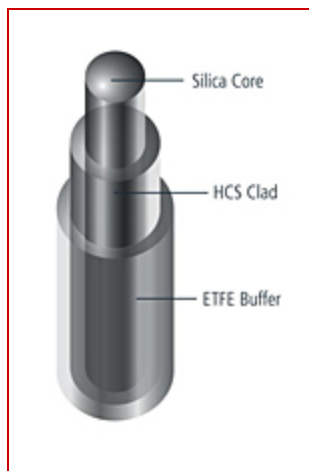
Phone:+1 770.798.5555

Phone:+1 888.342.3743 [USA and Canada]

Website: www.ofsoptics.com

Item # CF01493-60, 800 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 μm 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, ≤ 12 dB/km
Water Content	High OH

Dimensions/Geometric Properties

Core Diameter	800 ± 15 µm
HCS® Cladding Diameter	830 ± 15 µm
ETFE Buffer Diameter	1040 ± 30 µm
Core/Clad Offset	≤ 9.0 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	≥ 73 mm
Long-Term Bend Radius	≥ 118 mm
Proof Test Level	≥ 80 kpsi 0.552 GPa

How To Order:

Product Description Code	HCN-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 #	CF01493-60

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