



OFS Fitel, LLC

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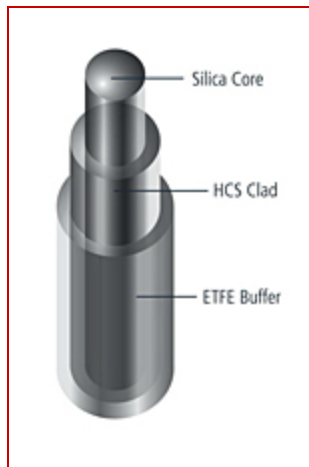
Phone:+1 770.798.5555

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Website: www.ofsoptics.com

Item # CF01493-09, 125 μm 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 μm 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, ≤ 12 dB/km |
| Water Content | Low OH |

Dimensions/Geometric Properties

| | |
|---------------------------|-----------------|
| Core Diameter | 125 ± 5 µm |
| HCS® Cladding Diameter | 140 +2 / -5 µm |
| ETFE Buffer Diameter | 250 +50 / -0 µm |
| Core/Clad Offset | ≤ 5 µm |
| Crimp & Cleave Compatible | No |

Coating/Buffer Descriptions

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

Mechanical and Testing Data

| | |
|------------------------|-------------------------|
| Short-Term Bend Radius | ≥ 9 mm |
| Long-Term Bend Radius | ≥ 15 mm |
| Proof Test Level | ≥ 100 kpsi 0.689 GPa |

How To Order:

| | |
|--------------------------|--|
| Product Description Code | HCP-M0125T |
| 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 # | CF01493-09 |

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