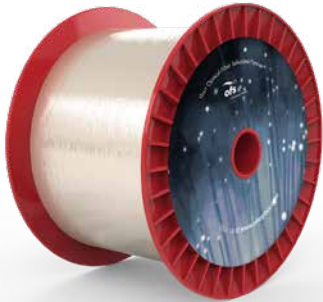




A Furukawa Company

## HCS<sup>®</sup> 200 $\mu$ m All Silica Low OH Step-Index Optical Fiber

P/N: CF01493-51



### Overview

Low OH concentration optimizes these fibers for use in the near-IR wavelengths. Biocompatibility features make these fibers ideal for laser surgery and other medical applications.

The all-silica base construction also creates a high damage threshold and high-performance optical properties.

High temperature environments require the use of PYROCOAT<sup>®</sup> polyimide coating.

### Typical Applications

Aircraft/Industrial Cabling  
Engine Controls  
High-Power Laser Delivery  
Laser Surgery  
Laser Welding and Cutting  
Near-IR Spectroscopy  
Radiation Analysis  
Sensing



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# HCS® 200 µm All Silica Low OH Step-Index Optical Fiber

P/N: CF01493-51

Product Specifications	
Product Description	200 All Silica Low OH Step-Index
<b>Physical Characteristics</b>	
Core Diameter	200 ± 5 µm
Cladding Diameter	240 ± 5 µm
Coating Diameter	260 ± 5 µm
Buffer Diameter	375 ± 30 µm
Core/Clad Offset	≤ 7 µm
Crimp & Cleave Compatible	No
Cladding Material	HCS
Buffer Material	ETFE
Standard Buffer Color	Natural
<b>Optical Characteristics</b>	
Type	Multimode Step-Index
Numerical Aperture	0.22
Attenuation @ 850 nm	≤ 8 dB/km
Water Content	Low OH
<b>Mechanical and Environmental</b>	
Operating Temperature	-65 to +125 °C
Short-Term Bend Radius	≥ 9 mm
Long-Term Bend Radius	≥ 14 mm
Proof Test Level	≥ 200 kpsi (1.38 GPa)
Order by Part Number	<b>CF01493-51</b>
Product Description Code	HCL-M0200T
<b>OPTIONS:</b> Buffer Color, Buffer Diameter, Buffer Material, Cabling, Clad Diameter, Connectorization, Core Diameter, Metalization, Numerical Aperture, Proof Test	

For additional information please contact your sales representative.

You can also visit our website at [www.ofsoptics.com](http://www.ofsoptics.com) or call 1-888-fiberhelp (1-888-342-3743) USA or 1-770-798-5555 outside the USA.



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Date: 02/22

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