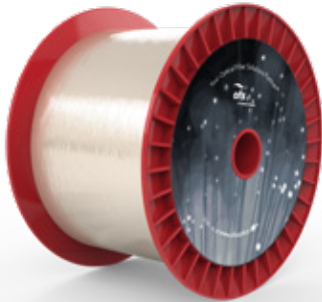


HCS® 550 μm All Silica Low OH Step-Index Optical Fiber

P/N: CF01493-53



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® 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



A Furukawa Company

HCS® 550 µm All Silica Low OH Step-Index Optical Fiber

P/N: CF01493-53

Product Specifications	
Product Description	550 All Silica Low OH Step-Index
Physical Characteristics	
Core Diameter	550 ± 12 µm
Cladding Diameter	600 ± 10 µm
Coating Diameter	630 ± 10 µm
Buffer Diameter	750 ± 30 µm
Core/Clad Offset	≤ 9 µm
Crimp & Cleave Compatible	No
Cladding Material	HCS fluoroacrylate
Buffer Material	ETFE
Standard Buffer Color	Natural
Optical Characteristics	
Type	Multimode Step-Index
Numerical Aperture	0.22
Attenuation @ 850 nm	≤ 8 dB/km
Water Content	Low OH
Mechanical and Environmental	
Operating Temperature	-65 to +125 °C
Short-Term Bend Radius	≥ 58 mm
Long-Term Bend Radius	≥ 94 mm
Proof Test Level	≥ 100 kpsi (0.689 GPa)
Order by Part Number	CF01493-53
Product Description Code	HCL-M0550T
OPTIONS: 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 or call 1-888-fiberhelp (1-888-342-3743) USA or 1-770-798-5555 outside the USA.



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OFS Marketing Communications
Date: 12/19



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