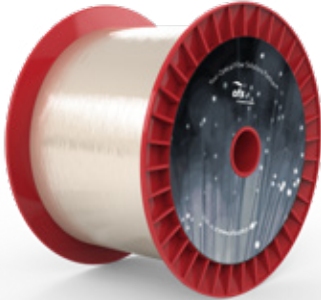


HCS® 400 µm All Silica Step-Index Optical Fiber

P/N: CF01493-41



Overview

High OH concentration in these fibers results in efficient power transmission in the wavelength range from high UV through visible light. 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

Illumination
Laser Surgery
Radiation Analysis
Sensors
UV Fluorescence
UV Spectroscopy



A Furukawa Company

HCS® 400 µm All Silica Step-Index Optical Fiber

P/N: CF01493-45

Product Specifications	
Product Description	400 All Silica Step-Index
Physical Characteristics	
Core Diameter	400 ± 10 µm
Cladding Diameter	480 ± 10 µm
Coating Diameter	515 ± 10 µm
Buffer Diameter	830 ± 50 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 @ 820 nm	≤ 10 dB/km
Water Content	High OH
Mechanical and Environmental	
Operating Temperature	-65 to +125 °C
Short-Term Bend Radius	≥ 35 mm
Long-Term Bend Radius	≥ 57 mm
Proof Test Level	≥ 100 kpsi (0.689 GPa)
Order by Part Number	CF01493-45
Product Description Code	HCG-M0400T
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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