



A Furukawa Company

Your Optical Fiber Solutions Partner®

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Item # CF01493-42, 365/400, 0.22NA High OH All Silica Optical Fiber

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.



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Optical Properties

Type	Multimode Step-Index
Numerical Aperture	0.22
Attenuation	@ 820 nm, ≤ 10 dB/km
Water Content	High OH

Dimensions/Geometric Properties

Core Diameter	365 ± 10 µm
Cladding Diameter	400 ± 10 µm
Coating Diameter	430 +5/-10 µm
Buffer Diameter	730 ± 30 µm
Core/Clad Offset	≤ 9 µm
Standard Buffer Color	Natural
Crimp & Cleave Compatible	No

Coating/Buffer Descriptions

Coating Material	HCS®
Buffer Material	ETFE
Operating Temperature	-65 to +125 °C

Mechanical and Testing Data

Short-Term Bend Radius	≥ 29 mm
Long-Term Bend Radius	≥ 47 mm
Proof Test Level	≥ 100 kpsi 0.689 GPa

Ordering Information

Product Description Code	HCG-M0365T
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 #

CF01493-42

Typical Applications

Illumination
Laser Surgery
Radiation Analysis
Sensors
UV Fluorescence
UV Spectroscopy

Options

Buffer Color
Buffer Diameter
Buffer Material
Cabling
Clad Diameter
Connectorization
Core Diameter
Metalization
Numerical Aperture
Proof Test