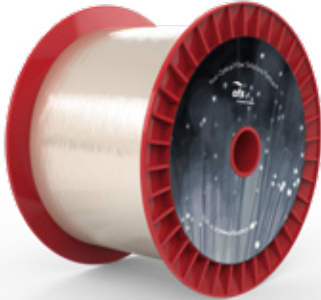


HCS® 800 μm All Silica Step-Index Optical Fiber

P/N: F17312



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® 800 µm All Silica Step-Index Optical Fiber

P/N: F17312

Product Specifications	
Product Description	800 High OH All Silica Step-Index
Physical Characteristics	
Core Diameter	800 ± 15 µm
Cladding Diameter	880 ± 15 µm
Coating Diameter	910 ± 15 µm
Buffer Diameter	1200 ± 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	≥ 73 mm
Long-Term Bend Radius	≥ 118 mm
Proof Test Level	≥ 100 kpsi (0.689 GPa)
Order by Part Number	F17312
Product Description Code	HCG-M0800T
OPTIONS: Buffer Color, Buffer Diameter, Buffer Material, Cabling, Clad Diameter, Core Diameter, Connectorization, Numerical Aperture, Metalization, 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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