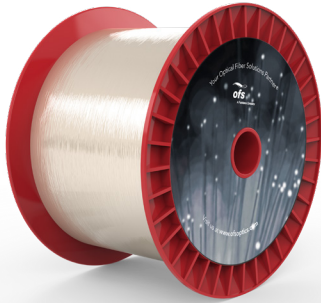




A Furukawa Company

UltraSil® 200 μm Optical Fiber

P/N: BF04746-01



Overview

The high-numerical aperture and low-OH content of multimode step-index UltraSil Optical Fibers provide a wide window of operability to the end-user. Low OH concentration is especially effective for using these fibers in near-IR spectroscopy applications.

For laser delivery, the HCS® fluoroacrylate coating preserves cladding modes through bends and distributes lost power over a greater area—lowering the probability of “hot spots.”

For high-temperature performance, we recommend PYROCOAT® polyimide coating. This coating strips cladding modes for enhanced performance in sensing and spectroscopy applications.

Typical Applications

Cascaded Laser Power Delivery
FTIR and Raman Spectroscopy
High-Power Laser Delivery
Medical Applications Near -
IR (up to 2100 μm) Laser Power
Delivery



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Product Specifications	
Product Description	200 0.29 NA Low OH
Physical Characteristics	
Core Diameter	200 ± 6 µm
Cladding Diameter	240 ± 5 µm
Buffer Diameter	375 ± 30 µm
Core/Clad Offset	≤ 7 µm
Crimp & Cleave Compatible	No
Buffer Material	ETFE
Coating Material	HCS® Fluoroacrylate
Optical Characteristics	
Type	Multimode Step-Index
Numerical Aperture	0.29
Attenuation @ 850 nm	≤ 12 dB/km
Water Content	Low OH
Mechanical and Environmental	
Operating Temperature	-65 to +125 °C
Short-Term Bend Radius	≥ 18 mm
Long-Term Bend Radius	≥ 30 mm
Proof Test Level	≥ 100 kpsi (0.689 GPa)
Order by Part Number	BF04746-01
Product Description Code	HCE-HB200T
OPTIONS: Buffer Color, Buffer Diameter, Buffer Material, Cabling, 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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