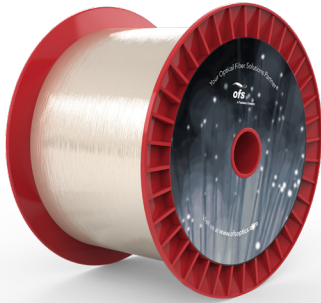




A Furukawa Company

## UltraSil® 200 $\mu\text{m}$ PYRO Optical Fiber

P/N: BF04830-01



### 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.

This fiber is coated with PYROCOAT® polyimide coating to provide high-temperature performance. The 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  $\mu\text{m}$ ) Laser Power  
Delivery



A Furukawa Company

# UltraSil® 200 µm PYRO Optical Fiber

P/N: BF04830-01

Product Specifications	
Product Description	200 PYRO 0.29 NA Low OH
Physical Characteristics	
Core Diameter	200 ± 6 µm
Cladding Diameter	240 ± 5 µm
Coating Diameter	270 ± 5 µm
Buffer Diameter	UNBUFFERED
Coating Concentricity	≥ 80%
Crimp & Cleave Compatible	No
Coating Material	PYROCOAT®
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 +300 °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	BF04830-01
Product Description Code	TCE-HB200H
<b>OPTIONS:</b> 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](http://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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Date: 11/19



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