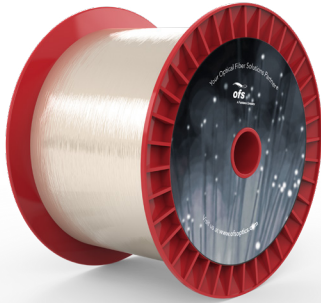




A Furukawa Company

UltraSil® 320 μm PYRO Optical Fiber

P/N: BF04830-02



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

FTIR Spectroscopy
General Fiber-Optic Sensing
High-Temperature Process Control
Near-IR Spectroscopy
Raman Spectroscopy
Remote High-Temperature Sensing



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Product Specifications	
Product Description	320 PYRO 0.29 NA Low OH
Physical Characteristics	
Core Diameter	320 ± 10 µm
Cladding Diameter	385 ± 8 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	≥ 30 mm
Long-Term Bend Radius	≥ 49 mm
Proof Test Level	≥ 100 kpsi (0.689 GPa)
Order by Part Number	BF04830-02
Product Description Code	TCE-HB320H
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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