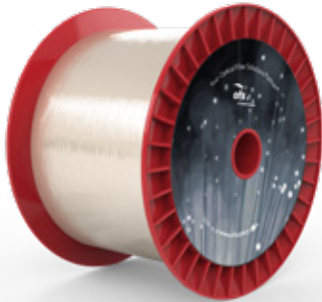




A Furukawa Company

## 320 $\mu\text{m}$ Low OH PYROCOAT<sup>®</sup> Step-Index Optical Fiber

P/N: CF04406-15



### Overview

Low OH concentration optimizes these fibers for use in the near-IR wavelengths. Biocompatibility features make these fibers ideal for laser surgery and other medical applications.

The all-silica base construction also creates a high damage threshold and high-performance optical properties.

High temperature environments require the use of PYROCOAT<sup>®</sup> polyimide coating.

### Typical Applications

Illumination

Laser Surgery

Laser Welding and Cutting

Radiation Analysis

Sensors

Visible to Near-IR Spectroscopy



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# 320 μm Low OH PYROCOAT® Step-Index Optical Fiber

P/N: CF04406-15

Product Specifications	
Product Description	320 μm Low OH PYROCOAT Step-Index
<b>Physical Characteristics</b>	
Core Diameter	320 ± 10 μm
Cladding Diameter	385 ± 10 μm
Coating Diameter	415 ± 5 μm
Coating Concentricity	≥ 80%
Crimp & Cleave Compatible	No
<b>Optical Characteristics</b>	
Type	Multimode Step-Index
Numerical Aperture	0.22
Attenuation @ 850 nm	≤ 8 dB/km
Water Content	Low OH
<b>Mechanical and Environmental</b>	
Operating Temperature	-65 to +300 °C
Short-Term Temperature Excursions	Up to 400 °C
Short-Term Bend Radius	≥ 29 mm
Long-Term Bend Radius	≥ 49 mm
Proof Test Level	≥ 100 kpsi (0.689 GPa)
Order by Part Number	<b>CF04406-15</b>
Product Description Code	TCL-MB320H

**OPTIONS:** Clad Diameter, Connectorization, Core Diameter, Metalization, Numerical Aperture, Proof Test

**NOTE:** OFS polyimide optical fibers are known to operate in environments up to 300 °C. Performance is application dependent. Contact our Technical Sales department to discuss your specific application requirements. 1-860-678-6636

**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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