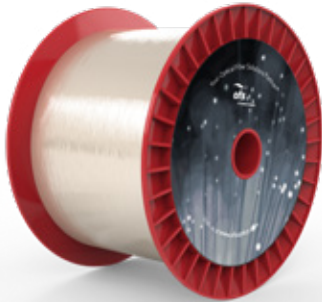




A Furukawa Company

100 μm Low OH PYROCOAT[®] Step-Index Optical Fiber

P/N: CF04406-11



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[®] polyimide coating.

Typical Applications

Illumination

Laser Surgery

Laser Welding and Cutting

Radiation Analysis

Sensors

Visible to Near-IR Spectroscopy



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Product Specifications	
Product Description	100 Low OH PYROCOAT Step-Index
Physical Characteristics	
Core Diameter	100 ± 3 μm
Cladding Diameter	110 ± 3 μm
Coating Diameter	140 ± 5 μm
Coating Concentricity	≥ 80%
Crimp & Cleave Compatible	No
Optical Characteristics	
Type	Multimode Step-Index
Numerical Aperture	0.22
Attenuation @ 850 nm	≤ 12 dB/km
Water Content	Low OH
Mechanical and Environmental	
Operating Temperature	-65 to +300 °C
Short-Term Temperature Excursions	Up to 400 °C
Short-Term Bend Radius	≥ 9 mm
Long-Term Bend Radius	≥ 14 mm
Proof Test Level	≥ 100 kpsi (0.689 GPa)
Order by Part Number	CF04406-11
Product Description Code	TCL-MA100H
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 or call 1-888-fiberhelp (1-888-342-3743) USA or 1-770-798-5555 outside the USA.



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