

FREQUENTLY ASKED QUESTIONS: OPTICAL FIBER

Optical fiber is designed to transfer a large amount of power over a given distance without electromagnetic interference (EMI). Phillips Medisize, a Molex company, helps address unique customer needs with an industry-leading selection of over 500 specialty optical fibers. Our optical fiber delivers dimensional control and tight tolerances that are designed to withstand harsh-temperature, chemical and radiation environments.

Why Use Our Optical Fiber?

- Custom-drawn material
- Tight tolerances
- In-house manufacturing
- Strong, durable products
- Variety of jacketing materials, including Nylon, Hytrel® and Tefzel®
- High-power delivery



What Are Our Product Lines?

FV – High OH SILICA/SILICA	FI – Ultra Low OH SILICA/SILICA	JTFLH – SILICA/HARD POLYMER CLAD	JTFIH – SILICA/SILICA Dual Clad
FBP – Broad Spectrum SILICA/SILICA	FBPI – Industrial Broad- Spectrum SILICA/SILICA	FDP – Deep UV SILICA/SILICA	DUV – Solarization Resistant SILICA/SILICA
FSU – High OH SILICA/TEFLON® AF CLAD	FLU – Low OH SILICA/TEFLON® AF CLAD	HSW – HOLLOW SILICA Waveguide	

What are the Phillips Medisize Capabilities?

Materials	High OH and Low OH Silica
Core Sizes	25 to 2000 μm
NA	0.10 to 0.66
Buffer Materials	<ul style="list-style-type: none">• Polyimide• Silicon• Acrylate• Nylon• Hytrel®• Tefzel®• Gold
Transmission	<ul style="list-style-type: none">• Deep-UV• UV-Vis• NIR
Value-add Opportunities	<ul style="list-style-type: none">• Fiber-optic Assemblies and Arrays• UV and CO₂ Laser Machining• Medical Device Manufacturing
Certifications	<ul style="list-style-type: none">• ISO 9001• ISO 13485

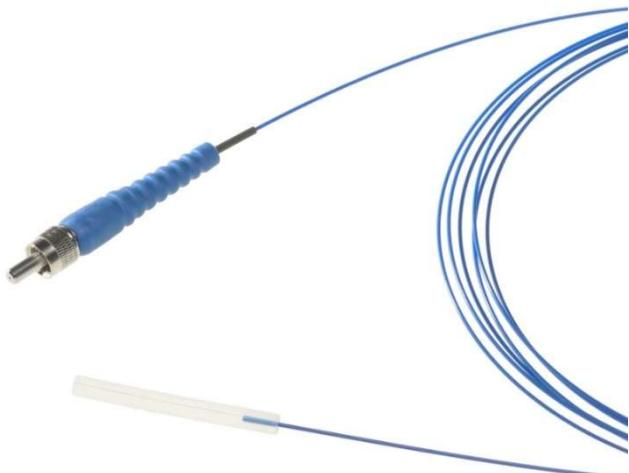
What Applications can Optical Fiber Support?

MEDICAL

- Ablation
- Diagnostic
- Surgical
- Medical Sensing
- Therapeutic

INDUSTRIAL

- Astronomy
- Biocompatibility
- Industrial Sensing
- Data Centers
- Quantum Computing



To learn more about our diverse portfolio and our expertise in fiber and capillary tubing, visit phillipsmedisize.com/medtech.

phillips
Medisize
a **molex** company