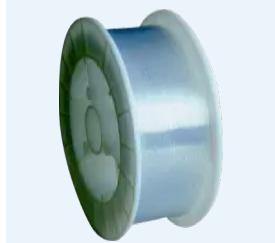
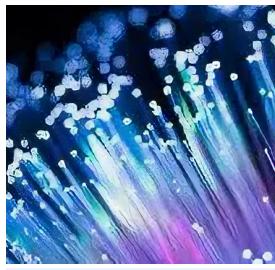
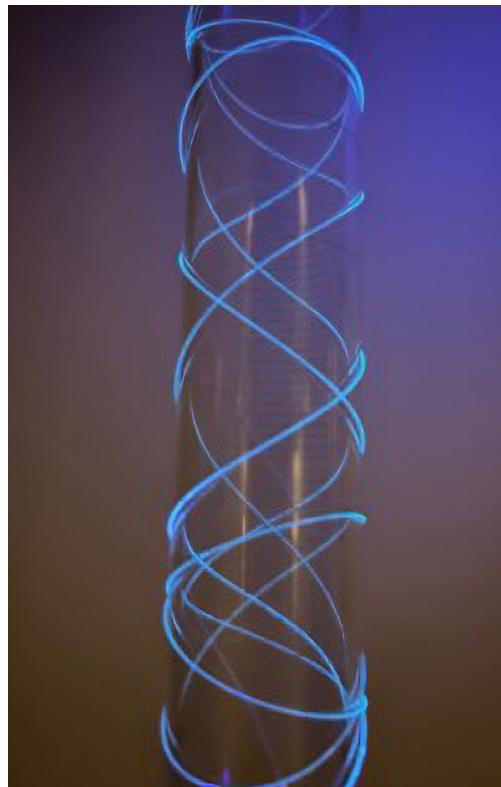


## GERMICIDAL OPTICAL FIBER: UV-C SIDE-EMITTING OPTICAL FIBER FOR BIOFILM CONTROL



Thin, flexible optical fibers designed for non-chemical germicidal applications. Various diameter optical fibers available.

Side emits light in UV-A, UV-B, UV-C and visible light spectrums.

Designed to pair with UV-C LED to deliver germicidal UV-C light. Evaluation kit available.

Developed with

**H<sub>2</sub>Optic**  
Insights

**Philips**  
**Medisize**  
a **molex** company

# HIGH-OH FIBER CORE

## DEEP UV ENHANCED

For deep UV applications (200–325 nm), consider UV-radiation effects on transmission. Polarization changes depend on fiber type and UV source; these changes are wavelength dependent.

### Polymicro SILICA/ SILICA Optical Fiber FDP

#### What Are Our Product Lines?

Step index	Ultra-high UV transmission	Tunable side emmision
Numerical aperture: $0.22 \pm 0.02$	Superior radiation resistance	Custom core sizes & assemblies available
Full acceptance cone: 25.4°	Sterilizable & biocompatible (USP class VI*)	Proof tested to 100 kpsi
Operating wavelength down to 200 nm	High laser damage threshold	Operating temperature: -65 to +300 °C

#### Specifications

**Note:** Standard configurations shown. Other sizes available on request.

Product Descriptor	Core (vm)	Clad (vm)	Buffer (vm)
FDP100110125	100 $\pm$ 3	110 $\pm$ 3	124 $\pm$ 3
FDP200220240	200 $\pm$ 4	220 $\pm$ 4	240 $\pm$ 5
FDP300330370	300 $\pm$ 6	330 $\pm$ 6	370 $\pm$ 6
FDP400440480	400 $\pm$ 8	440 $\pm$ 9	480 $\pm$ 7

\* End manufacturer responsible for biocompatibility/sterilization testing and validation.

