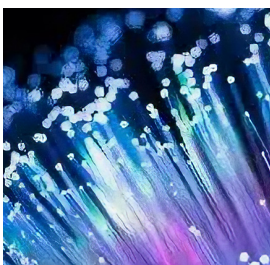
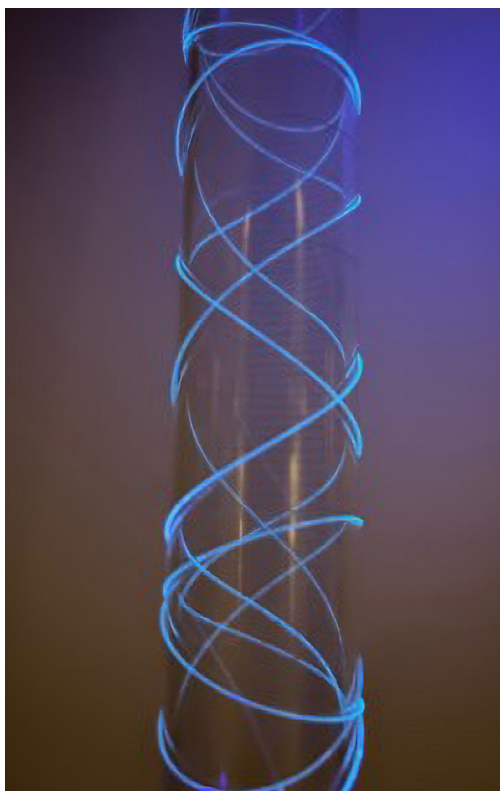
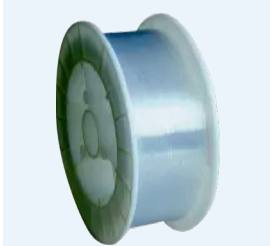




## **GERMICIDAL OPTICAL FIBER: UV-C SIDE-EMITTING OPTICAL FIBER FOR BIOFILM CONTROL**



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.

# 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 emission                    |
| Numerical aperture:<br>0.22 ± 0.02     | Superior radiation resistance                   | Custom core sizes & assemblies available |
| Full acceptance cone: 25.4°            | Sterilizable & biocompatible<br>(USP class VI*) | Proof tested to 100 kpsi                 |
| Operating wavelength<br>down to 200 nm | High laser damage threshold                     | Operating temperature:<br>–65 to +300 °C |

### Specifications

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

| Product Descriptor | Core (µm) | Clad (µm) | Buffer (µm) |
|--------------------|-----------|-----------|-------------|
| FDP100110125       | 100 ± 3   | 110 ± 3   | 124 ± 3     |
| FDP200220240       | 200 ± 4   | 220 ± 4   | 240 ± 5     |
| FDP300330370       | 300 ± 6   | 330 ± 6   | 370 ± 6     |
| FDP400440480       | 400 ± 8   | 440 ± 9   | 480 ± 7     |

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

