# Optical Fiber Series

Fiber optic solutions for UV-Vis and Vis-IR spectroscopy

The Evolve Optical Fiber Series is designed for spectral measurements across the UV-Vis and Vis-IR regions. Featuring multimode step-index fused silica fibers with standard SMA905 connectors, the series provides broad spectral transmission, reliable mechanical performance, and compatibility with Evolve spectrometers, light sources, and accessories. Available in standard and short configurations, with high-OH fibers for UV-Vis measurements (200–1100 nm) and low-OH fibers for Vis-IR applications (400–2200 nm), the series supports a variety of measurement requirements. Customized Y-type and multicore optical fiber configurations are also available.



## OPTICAL FIBER OPTIONS

- UV-Vis Optical Fibers (200–1100 nm)
- UV-Vis Short Optical Fibers
- Vis-IR Optical Fibers (400–2200 nm)
- Vis-IR Short Optical Fibers
- Customized Y-Type and Multicore Fibers

## KEY FEATURES

- Multimode step-index fibers
- Standard SMA905 connectors
- High-OH and low-OH options
- Standard and short-length configurations
- Custom configurations available

# Optical Fiber Specifications

### UV-Vis Optical Fibers
**Models:** OF-600-100-UVS, OF-600-100-UVB
- Wavelength Range: 200–1100 nm
- OH Concentration: High
- Assembly Length: 1 m

### Vis-IR Short Optical Fibers
**Model:** OF-S-1000-NIR
- Wavelength Range: 400–2200 nm
- OH Concentration: Low
- Assembly Length: 25.4 mm

### UV-Vis Short Optical Fibers
**Models:** OF-S-0400-UV, OF-S-0600-UV, OF-S-1000-A, OF-DS-1000-A
- Wavelength Range: 200–1100 nm
- OH Concentration: High
- Assembly Length: 25.4 mm and 40 mm (double nut)

### Vis-IR Optical Fibers
**Models:** OF-600-100-NIRS2, OF-600-100-NIRS3
- Wavelength Range: 400–2200 nm
- OH Concentration: Low
- Numerical Aperture: 0.22 or 0.37
- Assembly Length: 1 m

### General Specifications
- Fiber Type: Multimode step-index
- Material: Fused silica
- Connector: Standard SMA905
- Custom Options: Y-type and multicore optical fibers