

# Fiber

## SIM-61 series

Optical fiber is a versatile tool used for light conduction and transmission. It can be combined with a variety of testing equipment, including spectrometers, spectrophotometers, temperature probes, and cell phone testing devices, for spectral analysis. Optical fiber is also used in high-sensitivity measuring instruments for optical signals and as a medium for importing and exporting light for integrating spheres.



### Features

- Core diameter can be customized.
- Fiber length can be customized.
- Interface type can be customized.
- Sheath cladding can be customized.

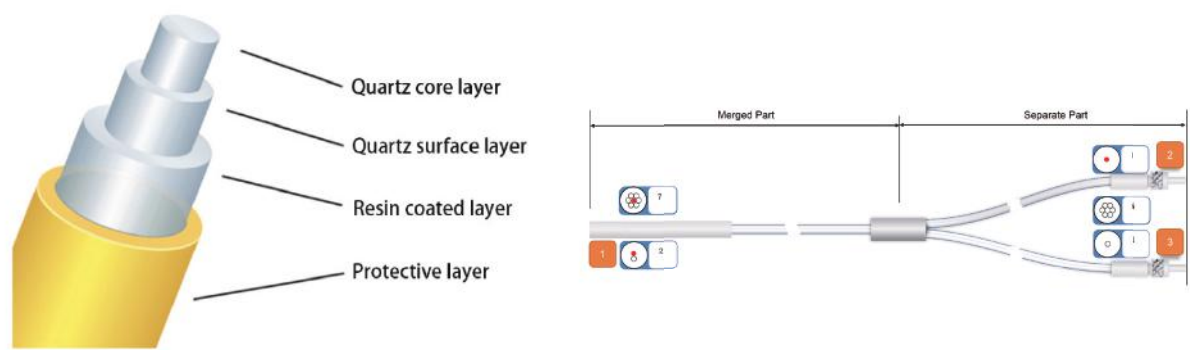
### Applications

- Industrial spectroscopy signal measurement
- Biochemical signal sampling measurement
- Optical signal coupling and conduction

Specifications

Model	SIM-6102	SIM-6103	SIM-6102Y	SIM-6103Y
Structure	1-in to 1-out		Y-type	
Wavelength	200-1100nm	400 - 2200nm	200-1100nm	400-2200nm
Fiber Core Layer	quartz			
Optical Cortex	Fluorine-doped quartz			
Coating	Acrylic			
Outer Sheath	Tefzel®etc.			
Core Diameter	200 / 400 / 600 / 800 / 1000 μm			
Length	5 / 50 / 100 / 150 / 200 cm etc.			
NA	0.22 ± 0.02			
Transmission Efficiency	Single core 85% (632.8nm) ,Multi-core 65% (632.8nm)			
Output	Round / square/ linear / custom shape			
Connector	SMA905 / FC / ST and others			
Bending Radius	150D (Short time), 300D (long time), "D" is the core diameter			
Operating Temperature	-40℃ ~ +100℃			

Core Structure



Typical 7-core Y-type fiber structure

Spectrometer

Optical power  
meter

Light source

LD Driver &  
TEC Controller

Solution and system

Accessories