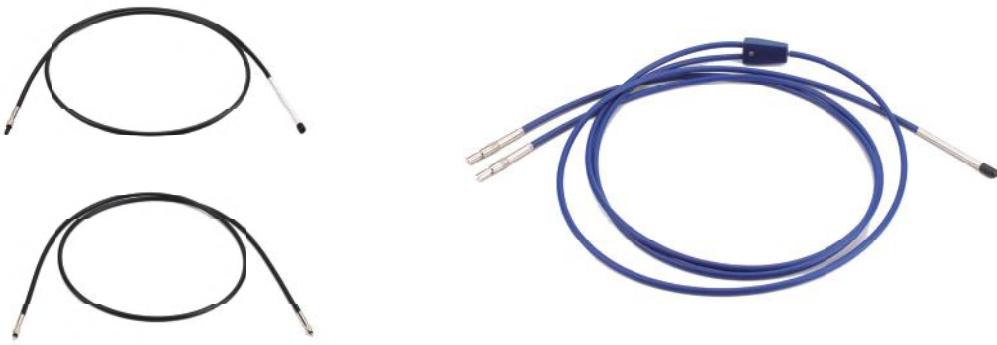


Fiber

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.

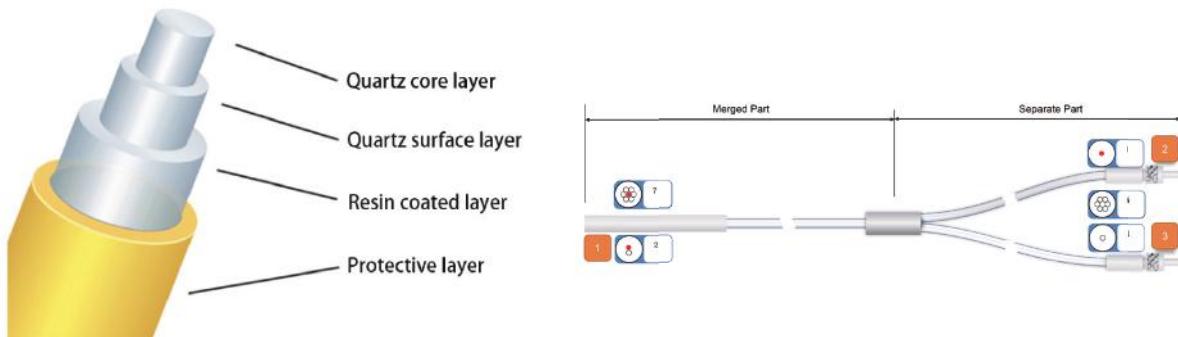
Applications

- 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 \pm 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°C ~ +100°C			

Core Structure



Typical 7-core Y-type fiber structure