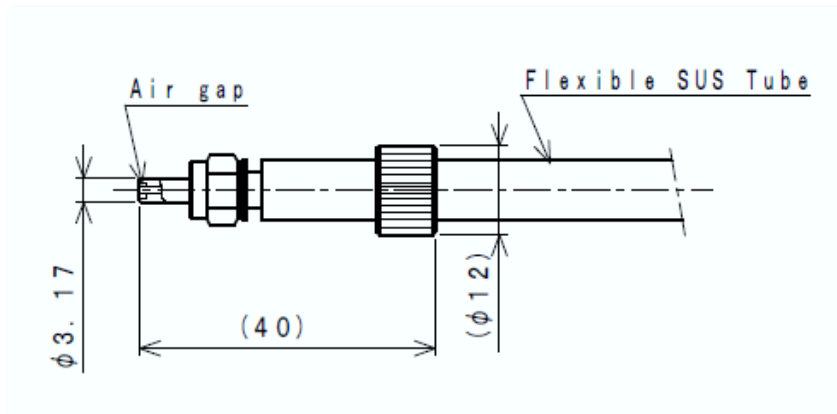


SMA Connector



- Applicable for use with lasers with power **less than 500W** (*1)
- **Adhesive-free construction** to reduce cable damage possibility in case of miss-alignment
- Anti-Reflection coating to increase coupling efficiency
- Option
- **Various fiber core diameters** are available.
- **Polygonal core fibers** are available.



The above drawing is a typical example and reference purposes ONLY. Please refer to the official specification which will be submitted by MCI at time of quotation.

NOTE:

(*1) Wavelength 1060nm. The damage threshold shall depend on the actual conditions.

List of applicable optical fibers for SMA connector

SI - Step Index Round Core Multi-Mode Optical Fiber

Wavelength Range	Numerical Aperture - NA	Core Dia. (μm)	Fiber Dia. (μm)	Minimum Bend Radius (mm) *
VIS -> NIR	0.20	100	500	100
		200	500	100
		300	500	100
		400	500	100
		600	750	150
		800	1000	200
		1000	1250	250
		1200	1500	300
UV -> VIS	0.22	200	440	100
		400	440	100
		600	660	150
UV -> VIS	0.20	400	500	100
		600	750	150
		800	1000	200
		1000	1250	250
		1200	1500	300

Note: *Short term bend duration

Core diameters and sizes other than those shown above may be available. Please contact us.

GI - Grated Index Round Core Multi-Mode Optical Fiber

Wavelength Range	Numerical Aperture - NA	Core Dia. (μm)	Fiber Dia. (μm)	Minimum Bend Radius (mm) *
VIS -> NIR	0.265	100	500	100
		200	500	100
		300	500	100
		400	500	100
		600	750	150
		800	1000	200

Note: *Short term bend duration

Step Index Polygonal Core Multi-Mode Optical Fiber

Wavelength Range	Numerical Aperture - NA	Core Dia. (μm)	Fiber Dia. (μm)	Minimum Bend Radius (mm) *
VIS -> NIR	0.20	50×50	500	100
	0.20	100×100	500	100
	0.20	175×175	500	100
	0.12	175×175	500	100
	0.20	350×350	1000	200
	0.12	350×350	1000	200
	0.20	600×600	1250	250
	0.15	88×175	500	100
	0.20	Hexagon with 200μm Edge	500	100

Note: *Short term bend duration