Large Core Fiber (Jacketed)

Select Sheet

"Tsunagu" Technology Fujikura Ltd.

S series *(for UV-VIS)*

Model Name	Refractive Index Profile	Core / Cladding Material	Core / Cladding Diameter [μm]	Jacket Diameter [μm]	Attenuation [dB/km]	Coating / Jacket Material	NA	Operation Temperature [℃]	Minimum Bending Radius [mm]
S.200/220	Step Index	SiO_2 (High-OH)/ F-SiO_2	200 / 220	900	≦200 (@300nm) ≦10 (@800nm)	Silicone / Polyamide	0.22	-20 to 60	44
S.400/440			400 / 440	1100					88
S.600/660			600 / 660	1400					132
S.800/880			800 /880	1700					176
S.1000/1100			1000 / 1100	1700					220
S.1500/1650			1500 / 1650	2400					330
S.2000/2100			2000 / 2100	3100					420

SB series *(for VIS-NIR)*

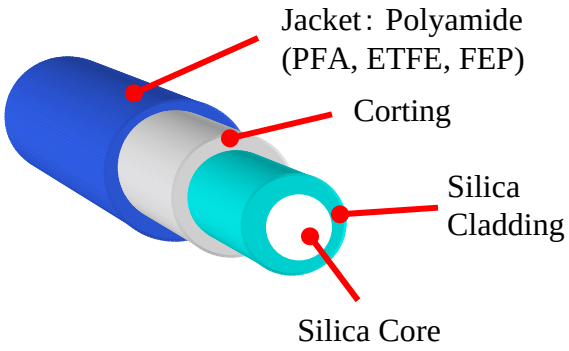
Model Name	Refractive Index Profile	Core / Cladding Material	Core / Cladding Diameter [μm]	Jacket Diameter [μm]	Attenuation [dB/km]	Coating / Jacket Material	NA	Operation Temperature [℃]	Minimum Bending Radius [mm]
S.200/220B	Step Index	SiO_2 (Low-OH)/ F-SiO_2	200 / 220	900	≦10 (@850nm and @1064nm)	Silicone / Polyamide	0.22	-20 to 60	44
S.400/440B			400 / 440	1100					88
S.600/660B			600 / 660	1400					132
S.800/880B			800 / 880	1700					176
S.1000/1100B			1000 / 1100	1700					220
S.1500/1650B			1500 / 1650	2400					330
S.2000/2100B			2000 / 2100	3100					420

G series *(for VIS-NIR)*

Model Name	Refractive Index Profile	Core / Cladding Material	Core / Cladding Diameter [μm]	Jacket Diameter [μm]	Attenuation [dB/km]	Coating / Jacket Material	NA	Operation Temperature [℃]	Minimum Bending Radius [mm]
G.200/250	Graded Index	GeO_2-SiO_2 / SiO_2	200 / 250	900	≦10 (@850nm and @1064nm)	Silicone / Polyamide	0.21	-20 to 60	50
G.400/500			400 / 500	1100					100
G.600/750			600 / 750	1400					150
G.800/1000			800 / 1000	1700					200
G.200/250L			200 / 250	900	≦10 (@850nm and @1064nm)	Silicone / Polyamide	0.25	-20 to 60	50
G.400/500L			400 / 500	1100					100
G.600/750L			600 / 750	1400					150
G.800/1000L			800 / 1000	1700					200

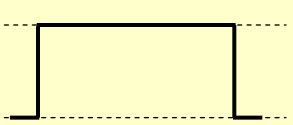
- Other size (Core Diameter, Cladding Diameter) is available
- Non-standard NA Fiber is available
- PFA, ETFE, FEP, Jacketed Fibers are available
- Minimum Bending Radius is Long Term Bending Radius
- Our products supports RoHS Directive

Jacketed Fiber Structure

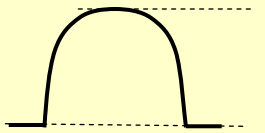


Refractive Index Profile

S & SB series



G series



Spectral Attenuation (typical)