

Large Core SB series Low OH

Fujikura large core fibers are made of silica glass and thus have high power transmission. This product has excellent optical transmission properties over a wide wavelength range from visible to NIR, so it's widely applied in fields related to require high output optical energy, such as laser processing and laser therapy, as well as in spectroscopic analysis and optical sensing.

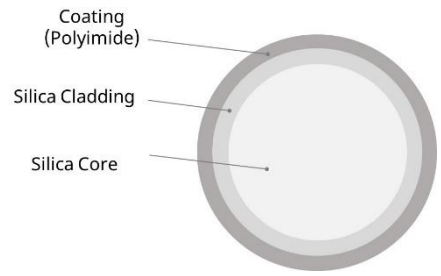
Please contact us about FEP, PFA, and other types of coatings. Polyimide (PI) coated large core fibers are also available as a high heat resistant type. FJK is able to manufacture various types of large core fibers according to customer specifications, from design and prototyping to mass production.



Features

- High power transmission
- Excellent optical transmission properties over a wide wavelength range
- Good mechanical Strength

Specifications (SB series Low OH: Polyimide)

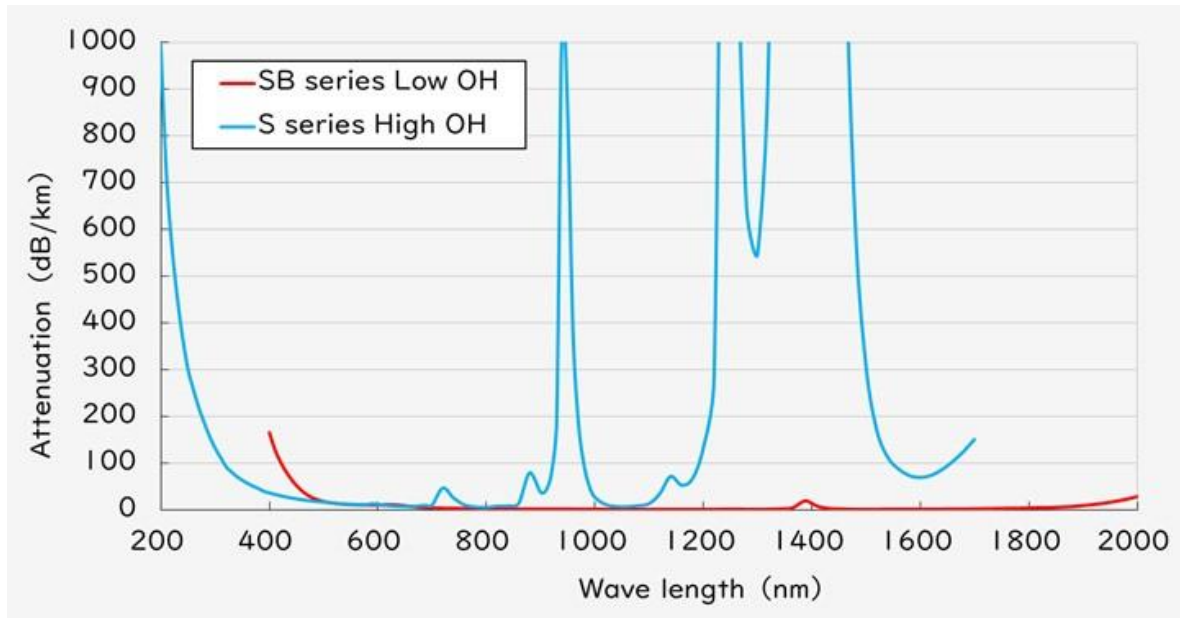
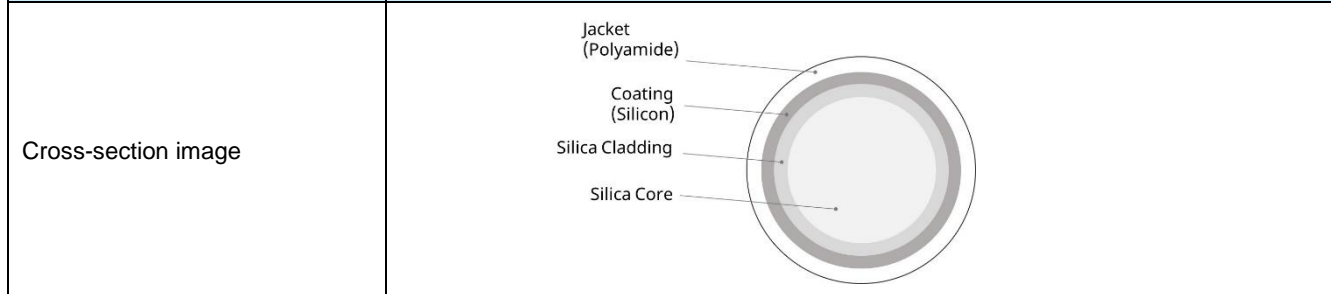
Description	S.200/220BPI	S.300/330BPI	S.400/440BPI
Core Diameter (μm)	200 ± 10	300 ± 15	400 ± 20
Cladding Diameter (μm)	220 ± 11	330 ± 16.5	440 ± 22
Jacket Diameter (μm)	245 ± 5	360 ± 10.8	470 ± 14
Minimum Bending Radius (mm)	44	66	88
Refractive Index Profile	SI		
Core / Cladding Material	SiO ₂ (Low OH) / F- SiO ₂		
Attenuation (dB/km)	≤ 10 (@850nm)		
Coating Material	Polyimide		
NA	0.22 ± 0.02		
Operation Temperature (°C)	-40 - 300		
Cross-section image			



Contact us

Specifications (SB series Low OH: Silicon / Polyamide)

	S.200/220B	S.400/440B	S.600/660B	S.800/880B	S.1000/1100B
Core Diameter (μm)	200 ± 10	400 ± 20	600 ± 30	800 ± 40	1,000 ± 50
Cladding Diameter (μm)	220 ± 11	440 ± 22	660 ± 33	880 ± 44	1,100 ± 55
Jacket Diameter (μm)	900 ± 100	1,100 ± 100	1,400 ± 100	1,700 ± 100	2,000 ± 200
Minimum Bending Radius (mm)	44	88	132	176	220
Refractive Index Profile	SI				
Core / Cladding Material	SiO ₂ (Low OH) / F- SiO ₂				
Attenuation (dB/km)	≤ 10 (@800nm)				
Coating / Jacket Material	Silicone / Polyamide				
NA	0.22 ± 0.02				
Operation Temperature (°C)	-20 - 60				
Jacket Color	White				



Contact us