Large Core　S series High OH

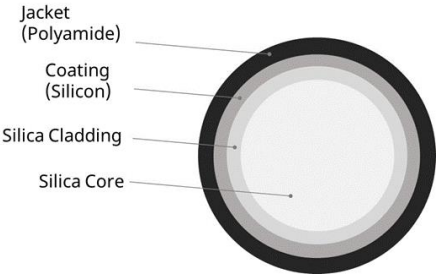
Fujikura large core fibers are made of silica glass and thus have high power transmission. This product has excellent optical transmission properties over a wide wavelength range from UV to visible, so it's widely applied in fields related to semiconductor manufacturing, such as UV lithography equipment, and spectroscopic analysis.

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

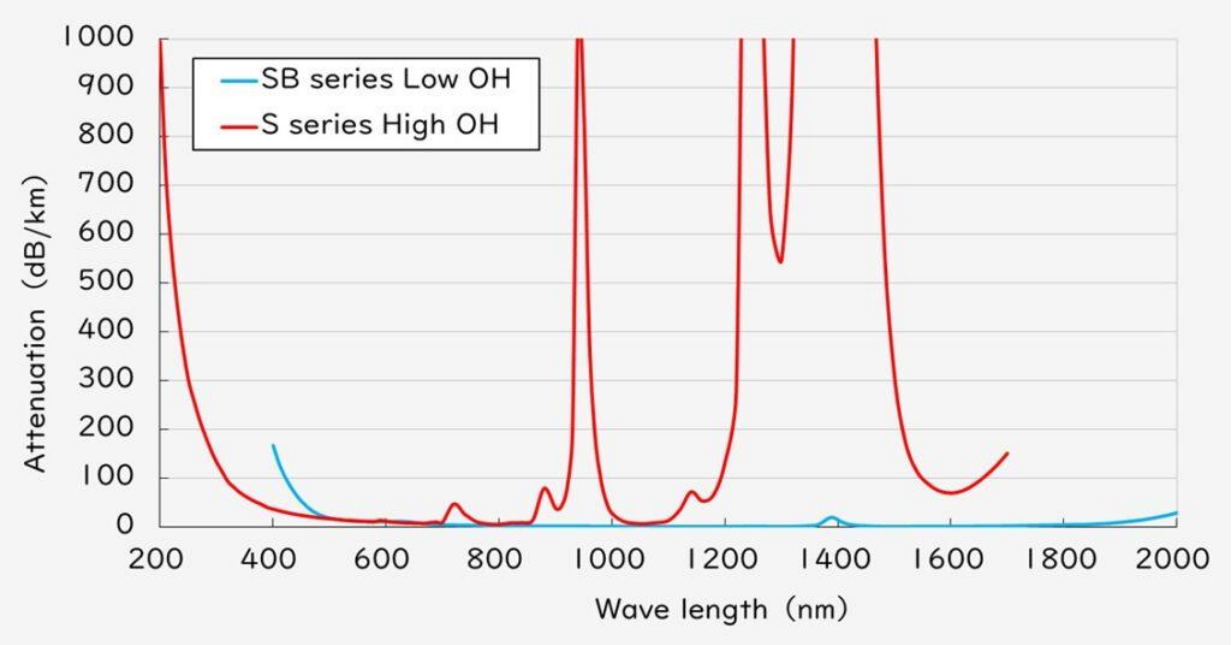
- High power transmission
- Excellent optical transmission properties over a wide wavelength range
- Good mechanical strength
- UV resistance

Specifications

Description	S.200/220	S.400/440	S.600/660	S.800/880	S.1000/1100
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 (High-OH) / F- SiO_2				
Attenuation (dB/km)	≤ 10 (@800nm) as nominal value ≤ 200 (@300nm)				
Coating / Jacket Material	Silicone / Polyamide				
NA	0.22 ± 0.02				
Operation Temperature (°C)	-20 - 60				
Jacket Color	Black				
Cross-section image					

Contact us

1-5-1, Kiba, Koto-ku, Tokyo 135-8512, Japan



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