

PI Coated Fiber

Select Sheet

Large Core Fiber : S series (for UV-VIS)

Model Name	Refractive Index Profile	Core / Cladding Material	Core / Cladding Diameter [μm]	Coating Diameter [μm]	Attenuation [dB/km]	Coating Material	NA	Operation Temperature [$^{\circ}\text{C}$]	Minimum Bending Radius [mm]
S.118/125PI	Step Index	SiO ₂ (High-OH) / F-SiO ₂	118 / 125	150	≤ 200 (@300nm)	Polyimide	0.22	-40 to 300	25
S.200/220PI			200 / 220	245	≤ 300 (@300nm) ≤ 10 (@800nm)				44

Large Core Fiber : SB series (for VIS-NIR)

Model Name	Refractive Index Profile	Core / Cladding Material	Core / Cladding Diameter [μm]	Coating Diameter [μm]	Attenuation [dB/km]	Coating Material	NA	Operation Temperature [$^{\circ}\text{C}$]	Minimum Bending Radius [mm]
S.200/220BPI	Step Index	SiO ₂ (Low-OH) / F-SiO ₂	200 / 220	245	≤ 10 (@850nm and @1064nm)	Polyimide	0.22	-40 to 300	44
S.300/330BPI			300 / 330	360	≤ 10 (@850nm and @1064nm)				66

Single Mode Fiber (SMF)

Model Name	Core / Cladding Material	MFD [μm]	Clad Diameter [μm]	Coating Diameter [μm]	Attenuation [dB/km]	Cut off Wevelengs [nm]	Coating Material	Operation Temperature [$^{\circ}\text{C}$]	Minimum Bending Radius [mm]
SM13-8/125 PI	GeO ₂ -SiO ₂ / SiO ₂	8.6	125	155	≤ 0.7 (@1310nm) ≤ 0.6 (@1550nm)	≤ 1290	Polyimide	-40 to 300	25

Multi Mode Fiber (MMF)

Model Name	Core / Cladding Material	Core Diameter [μm]	Cladding Diameter [μm]	Coating Diameter [μm]	Attenuation [dB/km]	NA	Coating Material	Operation Temperature [$^{\circ}\text{C}$]	Minimum Bending Radius [mm]
G.50/125 PI	GeO ₂ -SiO ₂ / SiO ₂	50	125	155	≤ 4.0 (@850nm) ≤ 2.0 (@1300nm)	0.2	Polyimide	-40 to 300	25

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

Fiber Structure

