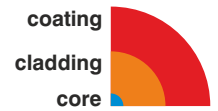


SINGLE-MODE FIBERS

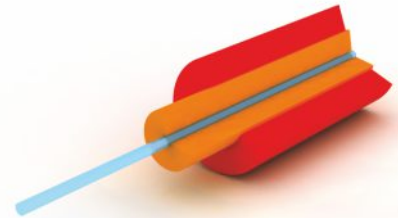
FEATURES

- Single mode transmission at a range of standard wavelength between 350 nm and 1550 nm
- All fibers available with 125 µm diameter to allow the use of standard connectors
- High NA fibers available
- Specialty coatings available for high temperatures, high vacuum and harsh chemicals environments
- Radiation resistant type available
- Standard communication fibers available



FIBER-DESIGN

- Doped fused silica core
- Pure fused silica cladding
- Dual layer Acrylate coating (-40°C to 85°C)
- Polyimide coating (- 190°C to 385°C)

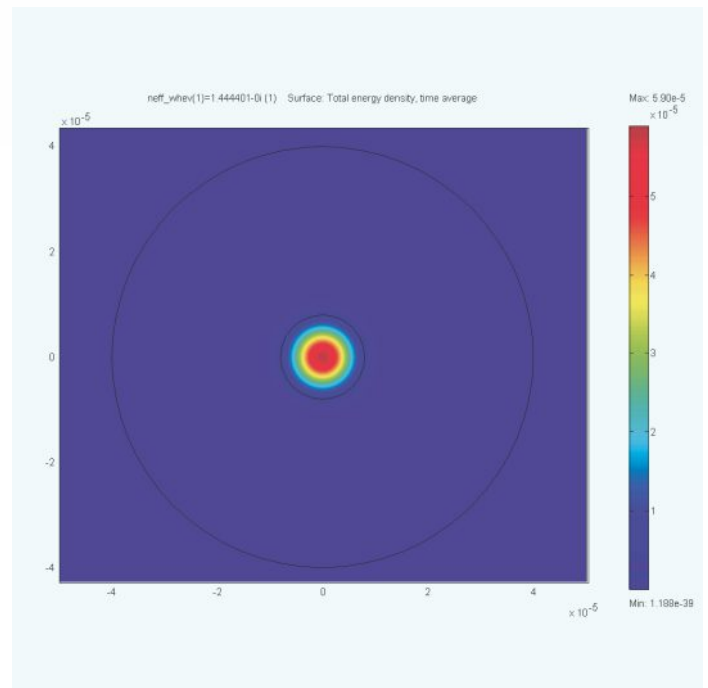


Buffer optional

- Silicone
- Acrylat
- Hard Clad
- Polyimide

Options

- Numerical apertures 0.10 to 0.35
- Metal coating (-190°C to 750°C)
- Connectors (DIN, FC/PC, ST, SMA)
- Single-mode fiber cables
- 80µm cladding
- high NA $\leq 0,2$
- high temperature acrylate (-40°C to 200°C)

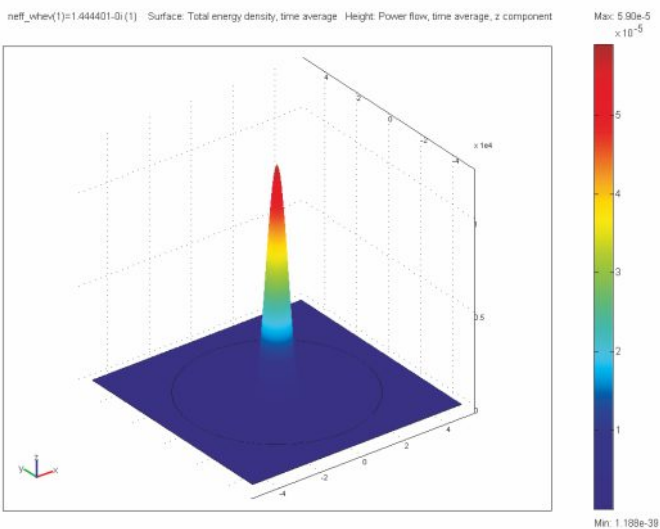


SINGLE-MODE FIBERS

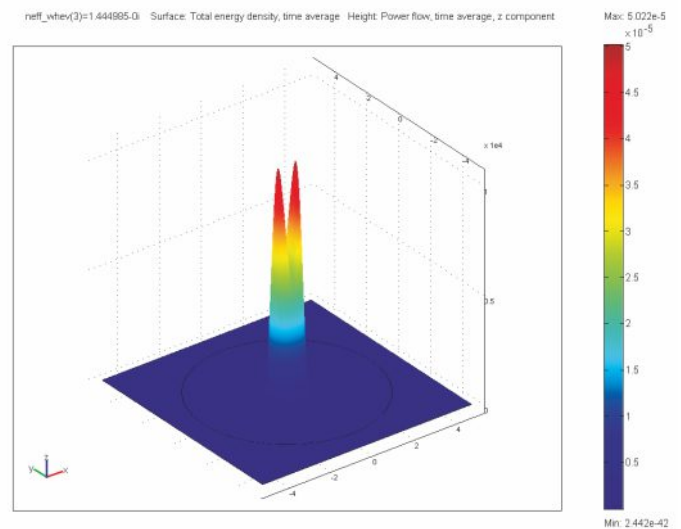
ACRYLATE COATED FIBERS	Product code	Nominal Core Diameter (μm)	MFD(μm)	Coating Diameter (μm)	Operation Wavelength (nm)	Cutoff Wavelength (nm)	Max. Attenuation (dB/km)
(-40°C to 85°C)	SM 400/125 A	2.2	2.7	250 ± 15	400	340 ± 50	65
	Sm 488/125 A	2.7	3.2	250 ± 15	488, 514	420 ± 50	30
	SM 633/125 A	3.7	4.4	250 ± 15	633	580 ± 30	12
	SM 780/125 A	4.6	5.5	250 ± 15	780	720 ± 40	5
	SM 850/125 A	4.9	5.9	250 ± 15	850	770 ± 50	4
	SM 1060/125 A	6.2	7.4	250 ± 15	1060	970 ± 60	2
	SM 1310/125 A	8.0	9.5	250 ± 15	1310, 1550	1260 ± 60	0.36, 0.22

POLYAMIDE COATED FIBERS	Product code	Nominal Core Diameter (μm)	MFD(μm)	Coating Diameter (μm)	Operation Wavelength (nm)	Cutoff Wavelength (nm)	Max. Attenuation (dB/km)
(-190°C to 385°C)	SM 400/125 PI	2.2	2.7	145 ± 3	400	340 ± 50	65
	Sm 488/125 PI	2.7	3.2	145 ± 3	488, 514	420 ± 50	30
	SM 633/125 PI	3.7	4.4	145 ± 3	633	580 ± 30	12
	SM 780/125 PI	4.6	5.5	145 ± 3	780	720 ± 40	6
	SM 850/125 PI	4.9	5.9	145 ± 3	850	770 ± 50	5
	SM 1060/125 PI	6.2	7.4	145 ± 3	1060	970 ± 60	3
	SM 1310/125 PI	8.0	9.5	145 ± 3	1310, 1550	1260 ± 60	0.8, 0.5

Other specifications upon request.
(e.g. Two Mode Fibers)



Energy density - Single Mode Fiber



Energy density - Two Mode Fiber