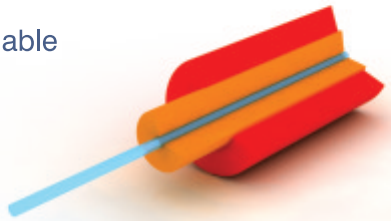
SINGLE-MODE FIBERS

Features

· Single mode transmission at a range of standard wavelength between 400 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 temperutres, high vacuum and harsh chemicals environments
· Radiation resistant type available -Standard communication fibers available

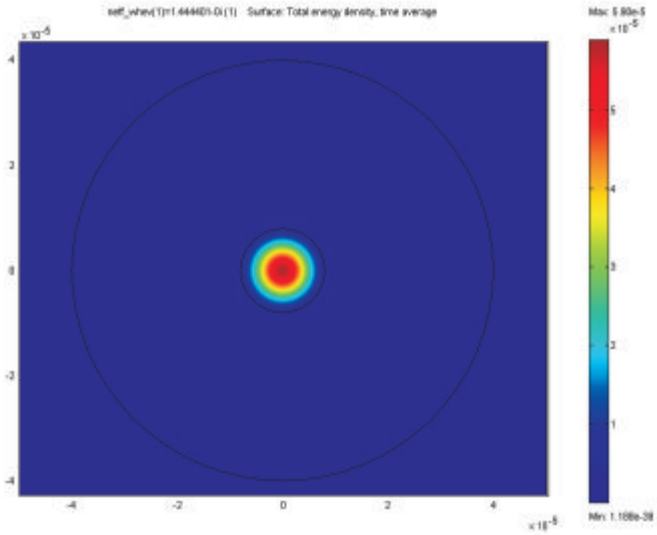


Fiber-Design

· 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 $\leqslant$ 0,2
· high temperature acrylate (-40°C to 200°C)

fiberware

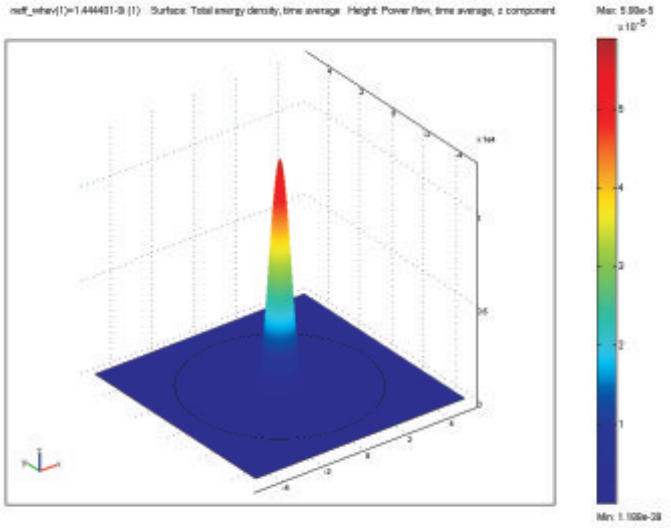
fiberware GmbH · Bornheimer Str. 4 · D-09648 Mittweida
Telefon: +49 30 56 700 730
Fax: +49 30 56 700 732
E-Mail: info@fiberware.de
Internet: fiberware.de

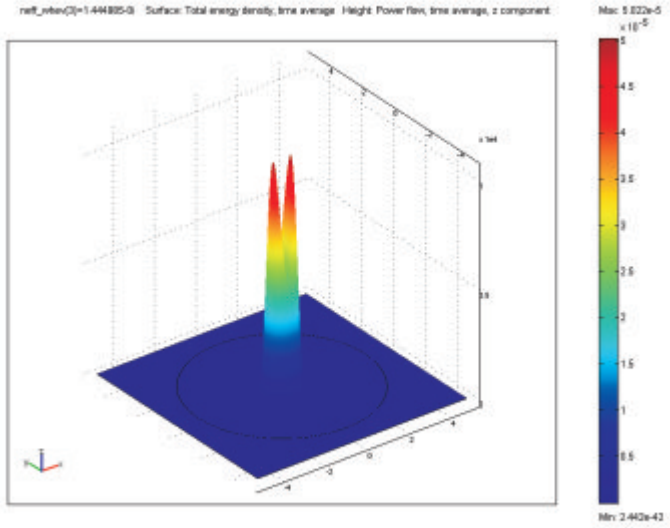
SINGLE-MODE FIBERS

ACRYLATE COATED FIBERS (-40°C to 85°C)	Product code	Nominal Core Diameter (µm)	MFD (µm)	Coating Diameter (µm)	Operation Wavelength (nm)	Cutoff Wavelength (nm)	Max. Attenuation (dB/km)
	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

POLYIMIDE COATED FIBERS (-190°C to 385°C)	Product code	Nominal Core Diameter (µm)	MFD (µm)	Coating Diameter (µm)	Operation Wavelength (nm)	Cutoff Wavelength (nm)	Max. Attenuation (dB/km)
	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.





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