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 temperatures, high vacuum and harsh chemicals environments
-Radiation resistant type available
-Standard communication fibers available

FIBER DESIGN

-Type:	"Matcherd cladding"
-Fiber diameter:	(125 ± 2) µm
-Numerical aperture:	0.12 ± 0.02
-Proof test level (Screen test):	50 kpsi

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

SINGLE-MODE FIBERS

FEATURES

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]
SM400/125A	2.2	2.7	250 ± 15	400	340 ± 50	65
SM488/125A	2.7	3.2	250 ± 15	488, 514	420 ± 50	30
SM633/125A	3.7	4.4	250 ± 15	633	580 ± 30	12
SM780/125A	4.6	5.5	250 ± 15	780	720 ± 40	5
SM850/125A	4.9	5.9	250 ± 15	850	770 ± 50	4
SM1060/125A	6.2	7.4	250 ± 15	1060	970 ± 60	2
SM1310/125A	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]
SM400/125PI	2.2	2.7	145 ± 3	400	340 ± 50	65
SM488/125PI	2.7	3.2	145 ± 3	488, 514	420 ± 50	30
SM633/125PI	3.7	4.4	145 ± 3	633	580 ± 30	12
SM780/125PI	4.6	5.5	145 ± 3	780	720 ± 40	6
SM850/125PI	4.9	5.9	145 ± 3	850	770 ± 50	5
SM1060/125PI	6.2	7.4	145 ± 3	1060	970 ± 60	3
SM1310/125PI	8.0	9.5	145 ± 3	1310, 1550	1260 ± 60	0.8, 0.5

Other specifications upon request.