

Fiber Optics

Passive Components

Collimation Packages

FiberBench

Optical Switches

Rackbox Systems

Connectors/
Termination Tools

Single-Mode Fiber

Rare Earth Doped

Polarization
Maintaining Fiber

Photonic
Crystal Fiber

Multimode Fiber:
Graded Index

Multimode Fiber:
Step Index

Plastic Optical Fiber

Step-Index Multimode Fibers

Thorlabs has a long history of supplying multimode and single mode fibers for research and OEM applications. With the largest selection of single mode and multimode fibers in the photonics industry, in addition to supplying raw fiber, Thorlabs' Fiber Group offers many custom, value-added, fiber-based solutions to meet your needs.

In 2005 InnovaQuartz, Inc. began to bring 3M TEQS fibers to the market. Thorlabs is pleased to provide our customers with these fibers and other replacement fibers to 3M TEQS. The table below cross-references these fibers to the 3M TEQS fiber.

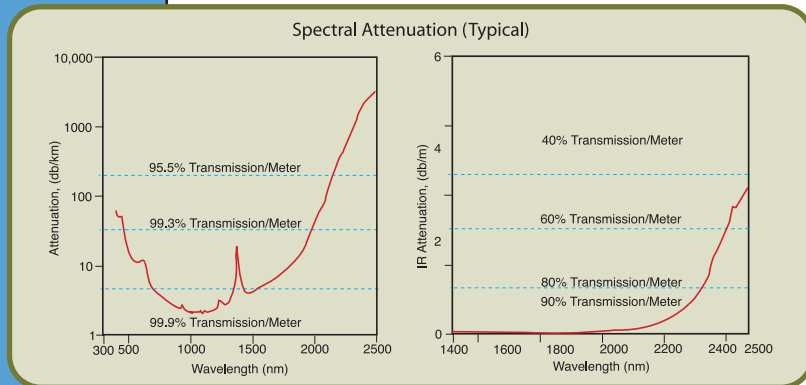
See Pages 1098-1099

Cross references for 3M fibers, Thorlabs fibers, and the IQ, Inc. TEQS fibers.

3M				THORLABS				INNOVAQUARTZ			
ITEM#	OH	NA	CORE (µm)	ITEM#	OH	NA	CORE (µm)	ITEM#	OH	NA	CORE (µm)
FG-200-LCR	Low	0.22	200	BFL22-200	Low	0.22	200	FG200LCC	Low	0.22	200
FG-365-LER	Low	0.22	365	BFL22-365	Low	0.22	365	FG365LEC	Low	0.22	365
FG-550-LER	Low	0.22	550	BFL22-550	Low	0.22	550	FG550LEC	Low	0.22	550
FG-910-LER	Low	0.22	910	BFL22-910	Low	0.22	910	—	—	—	—
FG-200-UCR	High	0.22	200	BFH22-200	High	0.22	200	FG200UCC	High	0.22	200
FG-365-UER	High	0.22	365	BFH22-365	High	0.22	365	FG365UEC	High	0.22	365
FG-550-UER	High	0.22	550	BFH22-550	High	0.22	550	FG550UEC	High	0.22	550
FG-910-UER	High	0.22	910	BFH22-910	High	0.22	910	—	—	—	—
FT-200-EMT	Low	0.39	200	BFL37-200	Low	0.37	200	FT200EMT	Low	0.39	200
FT-300-EMT	Low	0.39	300	BFL37-300	Low	0.37	300	FT300EMT	Low	0.39	300
FT-400-EMT	Low	0.39	400	BFL37-400	Low	0.37	400	FT400EMT	Low	0.39	400
FT-600-EMT	Low	0.39	600	BFL37-600	Low	0.37	600	FT600EMT	Low	0.39	600
FT-800-EMT	Low	0.39	800	BFL37-800	Low	0.37	800	FT800EMT	Low	0.39	800
FT-1.0-EMT	Low	0.39	1000	BFL37-1000	Low	0.37	1000	FT1.0EMT	Low	0.39	1000
FT-1.5-EMT	Low	0.39	1500	BFL37-1500	Low	0.37	1500	FT1.5EMT	Low	0.39	1500
FT-200-UMT	High	0.39	200	BFH37-200	High	0.37	200	FT200UMT	High	0.39	200
FT-300-UMT	High	0.39	300	BFH37-300	High	0.37	300	FT300UMT	High	0.39	300
FT-400-UMT	High	0.39	400	BFH37-400	High	0.37	400	FT400UMT	High	0.39	400
FT-600-UMT	High	0.39	600	BFH37-600	High	0.37	600	FT600UMT	High	0.39	600
FT-800-UMT	High	0.39	800	BFH37-800	High	0.37	800	FT800UMT	High	0.39	800
FT-1.0-UMT	High	0.39	1000	BFH37-1000	High	0.37	1000	FT1.0UMT	High	0.39	1000
FT-1.5-UMT	High	0.39	1500	BFH37-1500	High	0.37	1500	FT1.5UMT	High	0.39	1500
FT-200-URT	High	0.48	200	BFH48-200	High	0.48	200	—	—	—	—
FT-400-URT	High	0.48	400	BFH48-400	High	0.48	400	—	—	—	—
FT-600-URT	High	0.48	600	BFH48-600	High	0.48	600	—	—	—	—
FT-1.0-URT	High	0.48	1000	BFH48-1000	High	0.48	1000	—	—	—	—

0.22 NA Step-Index 50µm and 105µm Multimode Vis-IR Fiber

- Low Loss in the Near IR
- Excellent for Holmium and Erbium Laser Delivery
- Low Hydroxyl Ion Content Providing High Transmission Efficiency
- Useful Spectral Transmission Range From 400–2400nm



50µm/0.22 NA AFS50/125Y Fiber

PRICE PER METER	\$	£	€	RMB
1 to 9m	\$ 4.45	£ 2.80	€ 4,15	¥ 42.50
10 to 49m	\$ 3.20	£ 2.00	€ 3,00	¥ 30.55
50 to 249m	\$ 2.55	£ 1.60	€ 2,35	¥ 24.35

105µm/0.22 NA AFS105/125Y Fiber

PRICE PER METER	\$	£	€	RMB
1 to 9m	\$ 2.85	£ 1.80	€ 2,65	¥ 27.20
10 to 49m	\$ 1.95	£ 1.25	€ 1,80	¥ 18.60
50 to 249m	\$ 1.65	£ 1.05	€ 1,55	¥ 15.75

ITEM#	CORE DIAMETER	CLAD DIAMETER	BUFFER DIAMETER	NUMERICAL APERTURE	MAXIMUM POWER CAPABILITY		MAXIMUM CORE OFFSET	BEND RADIUS SHORT TERM/ LONG TERM	STRIPPING TOOL
					PULSED	CW*			
AFS50/125Y	50µm	125µm	250µm	0.22	10.0J	1.3kW	0.4µm	200x Fiber Radius/ 400x Fiber Radius	T06S13
AFS105/125Y	105µm	125µm	250µm	0.22	10.0J	1.3kW	0.8µm	200x Fiber Radius/ 400x Fiber Radius	T06S13

* @ 1060nm