

For current pricing, please see our website.

CHAPTERS

Fiber Patch Cables

Bare Fiber

Fiber Optomechanics

Fiber Components

Test and Measurement

SECTIONS

SM Fiber

PM Fiber

Doped Fiber

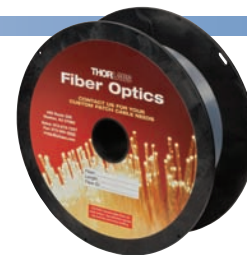
PCF

MM Fiber

Plastic Optical Fiber

## Photosensitive Select Cutoff Fiber

The PS1060 photosensitive fiber is designed to provide high photosensitivity for UV radiation. It is designed for writing Fiber Bragg Gratings (FBGs) used in pump stabilizers of diodes with wavelengths in the 980 to 1060 nm range. PS1060 may also be used in coupler applications.



ITEM #	OPERATING WAVELENGTH	MODE FIELD DIAMETER	CLADDING DIAMETER	COATING DIAMETER	CUTOFF WAVELENGTH	ATTENUATION	NA	STRIPPING TOOL
PS1060	980 - 1060 nm	6.2 ± 0.8 μm @ 1060 nm	125 ± 1.5 μm	245 ± 15 μm	920 ± 50 nm	20 dB/km @ 1060 nm	0.13	T06S13

### Features

- High Photosensitivity
- Low Splice Loss to Transmission Fiber
- Low-Cost, High-Yield Grating Fabrication

### Applications

- Gain Flattening Filters
- Dispersion Compensators
- Pump Stabilizers

ITEM #	PRICE/m*	\$	£	€	RMB
PS1060	1 to 9 m	\$ 11.40	£ 8.21	€ 9,92	¥ 90.86
	10 to 49 m	\$ 9.69	£ 6.98	€ 8,44	¥ 77.23
	50 to 249 m	\$ 7.98	£ 5.75	€ 6,95	¥ 63.61

\*Call for Quantities Over 250 m

## Photosensitive Single Mode Fibers

These photosensitive fibers are highly sensitive to UV radiation, mode-matched to SMF-28e+ to reduce Fiber Bragg Grating (FBG) writing times associated with industry standard telecommunication fiber, and can be easily spliced to industry standard fibers. The low-loss GF1B fiber provides much higher photosensitivity than standard transmission fibers for UV radiation. The reduced attenuation allows longer length fibers to be used and reduces the insertion loss.

### Applications

- Gain Flattening Filters
- Dispersion Compensators
- Pump Stabilizers
- Fiber Lasers

ITEM #	OPERATING WAVELENGTH	MODE FIELD DIAMETER	CUTOFF WAVELENGTH	CLADDING DIAMETER	COATING DIAMETER	NA	STRIPPING TOOL
GF1	1500 - 1600 nm	9.3 ± 0.5 μm @ 1310 nm 10.5 ± 1.0 μm @ 1550 nm	1260 ± 75 nm	125 ± 1.5 μm	250 ± 20 μm	0.13	T06S13
GF1B	1500 - 1600 nm	10.4 ± 0.8 μm @ 1550 nm	1260 ± 100 nm	125 ± 1.0 μm	245 ± 15 μm	0.13	T06S13
GF3	1500 - 1600 nm	7.5 ± 0.5 μm @ 1550 nm	1350 ± 50 nm	125 ± 1.5 μm	245 ± 1.5 μm	0.16	T06S13
GF4A	1450 - 1650 nm*	4.0 ± 0.3 μm @ 1550 nm	1350 ± 50 nm	125 ± 1.5 μm	250 ± 20 μm	0.30	T06S13

\*Wavelength range is illustrative and not guaranteed.

### Features

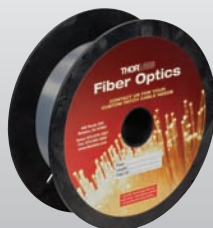
- Enhanced Photosensitivity
- Low Splice Loss to Transmission Fibers
- Tightly Controlled Uniformity
- >100 kpsi Proof Test Level
- >25 mm Long-Term Bend Radius
- >12 mm Short-Term Bend Radius
- GF4A: Cladding Mode Offset Fiber

ITEM #	PRICE/m*	\$	£	€	RMB
GF1	1 to 9 m	\$ 7.15	£ 5.15	€ 6,23	¥ 56.99
	10 to 49 m	\$ 6.08	£ 4.38	€ 5,29	¥ 48.44
	50 to 249 m	\$ 5.01	£ 3.61	€ 4,36	¥ 39.89
GF1B	1 to 9 m	\$ 6.10	£ 4.40	€ 5,31	¥ 48.62
	10 to 49 m	\$ 5.19	£ 3.74	€ 4,52	¥ 41.33
	50 to 249 m	\$ 4.27	£ 3.08	€ 3,72	¥ 34.04
GF3	1 to 9 m	\$ 30.00	£ 21.60	€ 26,10	¥ 239.10
	10 to 49 m	\$ 25.50	£ 18.36	€ 22,19	¥ 203.24
	50 to 249 m	\$ 21.00	£ 15.12	€ 18,27	¥ 167.37
GF4A	1 to 9 m	\$ 19.60	£ 14.12	€ 17,06	¥ 156.22
	10 to 49 m	\$ 16.66	£ 12.00	€ 14,50	¥ 132.79
	50 to 249 m	\$ 13.72	£ 9.88	€ 11,94	¥ 109.35

\*Call for Quantities Over 250 m

Have you seen our...

## Solarization-Resistant Bare Multimode Fiber



UM22-200

- Broad UV/NIR Spectral Range: 180 to 1150 nm
- Numerical Aperture: 0.22 ± 0.02
- Core Diameter Range: 100 to 600 μm
- Pure Silica Core, Doped-Silica Cladding, Polyimide Buffer

Our 0.22 NA solarization-resistant, multimode fiber exhibits impressive performance and transmission from the UV to the NIR (180 to 1150 nm). With exceptional UV radiation resistance compared to standard fibers, these multimode fibers are ideal for use in applications such as spectroscopy, UV photolithography, and medical diagnostics.

These fibers are used in our SMA-to-SMA Solarization-Resistant patch cables.

For more details, see page 1056