

## 0.39 NA TECS™ Hard-Clad, Step-Index, Multimode Fiber

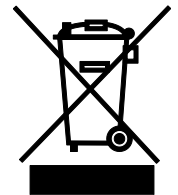


### Description

Thorlabs' 0.39NA TECS™ hard-clad, multimode, step-index fibers feature increased fiber strength and reduced static fatigue in humid environments. The high core-clad bonding prevents pistoning and provides more stable crimp-and-cleave or epoxy terminations.

### Specifications

0.39 NA TECS™ Hard Cladding, Step-Index, Multimode Fiber	
Core / Cladding	Pure Silica / TECS™ Hard Cladding
Coating	Tefzel
Operating Temperature (Tefzel Coating)	-65 to 135 °C
Numerical Aperture (NA)	0.39



#### Visible to Near-IR Transmission (Low OH)

Item #	Core Diameter	Clad Diameter	Coating Diameter	Max Power Capability		Max Attenuation @ 808 nm	Bend Radius Short Term/ Long Term
				Pulsed	CW		
FT200EMT	200 ± 5 μm	225 ± 5 μm	500 ± 30 μm	1.0 MW	0.2 kW	10 dB/km	21 mm / 42 mm
FT300EMT	300 ± 6 μm	325 ± 10 μm	650 ± 30 μm	2.3 MW	0.5 kW	10 dB/km	32 mm / 64 mm
FT400EMT	400 ± 8 μm	425 ± 10 μm	730 ± 30 μm	4.0 MW	0.8 kW	10 dB/km	43 mm / 86 mm
FT600EMT	600 ± 10 μm	630 ± 10 μm	1040 ± 30 μm	9.0 MW	1.8 kW	10 dB/km	48 mm / 96 mm
FT800EMT	800 ± 10 μm	830 ± 10 μm	1040 ± 30 μm	16 MW	3.2 kW	10 dB/km	55 mm / 110 mm
FT1000EMT	1000 ± 15 μm	1035 ± 15 μm	1400 ± 50 μm	25.1 MW	5.0 kW	10 dB/km	69 mm / 138 mm
FT1500EMT	1500 ± 30 μm	1550 ± 31 μm	2000 ± 100 μm	56.6 MW	11.3 kW	18 dB/km	79 mm / 158 mm

#### UV to Visible Transmission (High OH)

Item #	Core Diameter	Clad Diameter	Coating Diameter	Max Power Capability		Max Attenuation @ 808 nm	Bend Radius Short Term/ Long Term
				Pulsed	CW		
FT200UUMT	200 ± 5 μm	225 ± 5 μm	500 ± 30 μm	1.0 MW	0.2 kW	14 dB/km	21 mm / 42 mm
FT300UUMT	300 ± 6 μm	325 ± 10 μm	650 ± 30 μm	2.3 MW	0.5 kW	14 dB/km	32 mm / 64 mm
FT400UUMT	400 ± 8 μm	425 ± 10 μm	730 ± 30 μm	4.0 MW	0.8 kW	14 dB/km	43 mm / 86 mm
FT600UUMT	600 ± 10 μm	630 ± 10 μm	1040 ± 30 μm	9.0 MW	1.8 kW	12 dB/km	48 mm / 96 mm
FT800UUMT	800 ± 10 μm	830 ± 10 μm	1040 ± 30 μm	16 MW	3.2 kW	12 dB/km	55 mm / 110 mm
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FT1500UUMT	1500 ± 30 μm	1550 ± 31 μm	2000 ± 100 μm	56.6 MW	11.3 kW	18 dB/km	79 mm / 158 mm

## Specifications Cont.

Item #	Stripping Tool
FT200EMT	T12S21
FT300EMT	T16S31
FT400EMT	T21S31
FT600EMT	T28S46
FT800EMT	M37S46
FT1000EMT	M44S63
FT1500EMT	M63S86

Item #	Stripping Tool
FT200UMT	T12S21
FT300UMT	T16S31
FT400UMT	T21S31
FT600UMT	T28S46
FT800UMT	M37S46
FT1000UMT	M44S63
FT1500UMT	M63S86

## Attenuation Curves

