

# 0.39 NA TEQS™ Clad Multimode Fiber

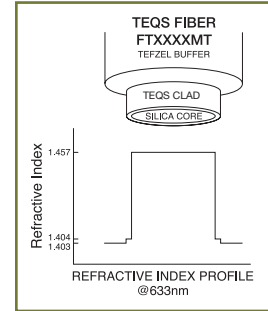
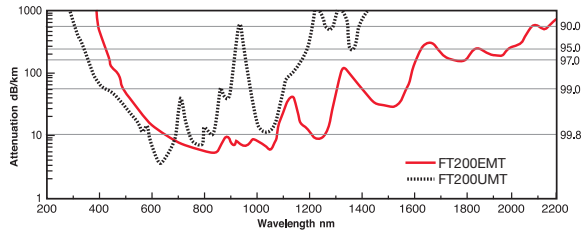
## FT Silica/TEQS™ Multimode Fibers

### Features

- Hard Cladding Increases Fiber Strength, Reduces Static Fatigue in Humid Environments, and Protects the Fiber During Buffer Stripping to Prevent Fiber Breakage
- Efficient Light Coupling and Superior Transmission in Tight Bends Due to High Numerical Aperture
- High Core-to-clad Bonding Prevents Pistoning and Provides More Stable Crimp-and-Cleave or Epoxy Terminations
- High Concentricity and Core-to-Clad Ratio for Excellent Connection Alignment, Fiber Core Positioning and High Transmission Bundles
- TEQS Cladding is Removable with Acetone



No Minimums



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

ITEM#	CORE DIAMETER	CLADDING DIAMETER	COATING DIAMETER	NUMERICAL APERTURE	MAXIMUM POWER CAPABILITY		MAXIMUM ATTENUATION @850nm <sup>3</sup>	MAXIMUM CORE OFFSET	BEND RADIUS SHORT TERM/ LONG TERM	STRIPPING TOOL
					PULSED <sup>1</sup>	CW <sup>2</sup>				
FT200EMT	200±5µm	225±5µm	500±30µm	0.39±0.02	1.0MW	0.2kW	6dB/km	5µm	6mm/12mm	T12S21
FT300EMT	300±6µm	325±10µm	650±30µm	0.39±0.02	2.3MW	0.5kW	10dB/km	7µm	12mm/24mm	T16S31
FT400EMT	400±8µm	425±10µm	730±30µm	0.39±0.02	4.0MW	0.8kW	10dB/km	7µm	16mm/32mm	T21S31
FT600EMT	600±10µm	630±10µm	1040±30µm	0.39±0.02	9.0MW	1.8kW	10dB/km	9µm	25mm/50mm	T28S46
FT800EMT	800±10µm	830±10µm	1040±30µm	0.39±0.02	16MW	3.2kW	10dB/km	10µm	30mm/60mm	M37S46
FT1.0EMT	1000±15µm	1035±15µm	1400±50µm	0.39±0.02	25MW	5.0kW	10dB/km	10µm	40mm/80mm	M44S63
FT1.5EMT	1500±30µm	1550±31µm	2000±100µm	0.39±0.02	56MW	11.0kW	18dB/km	15µm	50mm/100mm	M63S86

### Price Schedule

ITEM#	\$ 1-9m	\$ 10-49m	\$ 50-249m	£ 1-9m	£ 10-49m	£ 50-249m	€ 1-9m	€ 10-49m	€ 50-249m	¥ 1-9m	¥ 10-49m	¥ 50-249m
FT200EMT	\$ 1.60	\$ 1.35	\$ 1.05	£ 1.00	£ 0.85	£ 0.65	€ 1.50	€ 1.25	€ 1.00	¥ 15.30	¥ 12.90	¥ 10.05
FT300EMT	\$ 1.80	\$ 1.85	\$ 1.40	£ 1.15	£ 1.15	£ 0.90	€ 1.65	€ 1.70	€ 1.30	¥ 17.20	¥ 17.65	¥ 13.35
FT400EMT	\$ 3.20	\$ 2.55	\$ 1.90	£ 2.00	£ 1.60	£ 1.20	€ 3.00	€ 2.35	€ 1.75	¥ 30.55	¥ 24.35	¥ 18.15
FT600EMT	\$ 6.50	\$ 5.35	\$ 4.15	£ 4.10	£ 3.35	£ 2.60	€ 6.05	€ 5.00	€ 3.85	¥ 62.10	¥ 51.10	¥ 39.65
FT800EMT	\$ 13.40	\$ 10.55	\$ 8.50	£ 8.45	£ 6.65	£ 5.35	€ 12.45	€ 9.80	€ 7.90	¥ 127.95	¥ 100.75	¥ 81.20
FT1.0EMT	\$ 23.70	\$ 25.50	\$ 19.15	£ 14.95	£ 16.05	£ 12.05	€ 22.05	€ 23.70	€ 17.80	¥ 226.35	¥ 243.55	¥ 182.90
FT1.5MT	\$ 74.40	\$ 60.70	\$ 47.35	£ 46.85	£ 38.25	£ 29.85	€ 69.20	€ 56.45	€ 44.05	¥ 710.50	¥ 579.70	¥ 452.20

Call For Quantities Over 250m

### UV to Visible Transmission (High OH)

ITEM#	CORE DIAMETER	CLADDING DIAMETER	COATING DIAMETER	NUMERICAL APERTURE	MAXIMUM POWER CAPABILITY		MAXIMUM ATTENUATION @850nm <sup>3</sup>	MAXIMUM CORE OFFSET	BEND RADIUS SHORT TERM/ LONG TERM	STRIPPING TOOL
					PULSED <sup>1</sup>	CW <sup>2</sup>				
FT200UMT	200±5µm	225±5µm	500±30µm	0.39±0.02	1.0MW	0.2kW	12dB/km	5µm	6mm/12mm	T12S21
FT300UMT	300±6µm	325±10µm	650±30µm	0.39±0.02	2.3MW	0.5kW	12dB/km	7µm	12mm/24mm	T16S31
FT400UMT	400±8µm	425±10µm	730±30µm	0.39±0.02	4.0MW	0.8kW	12dB/km	7µm	16mm/32mm	T21S31
FT600UMT	600±10µm	630±10µm	1040±30µm	0.39±0.02	9.0MW	1.8kW	12dB/km	9µm	25mm/50mm	T28S52
FT800UMT	800±10µm	830±10µm	1040±30µm	0.39±0.02	16MW	3.2kW	12dB/km	10µm	30mm/60mm	M37S46
FT1.0UMT	1000±15µm	1035±15µm	1400±50µm	0.39±0.02	25MW	5.0kW	12dB/km	10µm	40mm/80mm	M44S63
FT1.5UMT	1500±30µm	1550±31µm	2000±100µm	0.39±0.02	56MW	11.3kW	18dB/km	15µm	50mm/100mm	M63S86

### Price Schedule

ITEM#	\$ 1-9m	\$ 10-49m	\$ 50-249m	£ 1-9m	£ 10-49m	£ 50-249m	€ 1-9m	€ 10-49m	€ 50-249m	¥ 1-9m	¥ 10-49m	¥ 50-249m
FT200UMT	\$ 1.60	\$ 1.35	\$ 1.05	£ 1.00	£ 0.85	£ 0.65	€ 1.50	€ 1.25	€ 1.00	¥ 15.30	¥ 12.90	¥ 10.05
FT300UMT	\$ 2.10	\$ 1.75	\$ 1.30	£ 1.30	£ 1.10	£ 0.80	€ 1.95	€ 1.65	€ 1.20	¥ 20.05	¥ 16.70	¥ 12.40
FT400UMT	\$ 3.50	\$ 2.85	\$ 2.25	£ 2.20	£ 1.80	£ 1.40	€ 3.25	€ 2.65	€ 2.10	¥ 33.45	¥ 27.20	¥ 21.50
FT600UMT	\$ 7.40	\$ 6.05	\$ 4.65	£ 4.65	£ 3.80	£ 2.95	€ 6.90	€ 5.65	€ 4.30	¥ 70.65	¥ 57.20	¥ 44.40
FT800UMT	\$ 13.60	\$ 11.10	\$ 8.70	£ 8.55	£ 7.00	£ 5.50	€ 12.65	€ 10.30	€ 8.10	¥ 129.90	¥ 106.00	¥ 83.10
FT1.0UMT	\$ 24.00	\$ 19.60	\$ 15.30	£ 15.10	£ 12.35	£ 9.65	€ 22.30	€ 18.25	€ 14.25	¥ 229.20	¥ 187.20	¥ 146.10
FT1.5UMT	\$ 81.70	\$ 66.80	\$ 52.00	£ 51.45	£ 42.10	£ 32.75	€ 76.00	€ 62.10	€ 48.35	¥ 780.25	¥ 637.95	¥ 496.60

1) Based on 5GW/cm<sup>2</sup> for 1064nm Nd:YAG laser with 10nsec pulse length and input spot size equal to 80% of the core diameter

2) Based on 1MW/cm<sup>2</sup> for 1064nm Nd:YAG laser and input spot size equal to 80% of the core diameter

3) Typical attenuation at 850nm is 4 to 6dB/km, but may be as high as 10dB/km

Call For Quantities Over 250m