

Single Mode Fiber: 600 nm to 860 nm

Features

- Shipped from Stock, No Minimums
- True Single Mode Operation for HeNe and Red Laser Diodes
- Acrylate Coating
- Core-Clad Concentricity:
 - <1.0 μm for SM600
 - <0.5 μm for 630HP and S630-HP
- 630HP and S630-HP Offer a Tight Bend Radius for Applications in Miniaturized Fiber Optic Packages
- Recommended Stripping Tool: T06S13 (See Page 1154)

Popular Compatible Connectors (See Page 1142)

CLADDING DIAMETER	FC/PC CONNECTOR	FC/APC CONNECTOR*
125 μm	30126D1	30126K1 (Ø900 μm) 30126F1 (Ø3 mm)

*Furcation Tubing Diameter is given in Parentheses

ITEM #	PRICE/m*	\$	£	€	RMB
SM600	1 to 9 m	\$ 5.50	£ 3.96	€ 4.79	¥ 43.84
	10 to 49 m	\$ 4.68	£ 3.37	€ 4.07	¥ 37.26
	50 to 249 m	\$ 3.85	£ 2.78	€ 3.35	¥ 30.69
630HP	1 to 9 m	\$ 5.40	£ 3.89	€ 4.70	¥ 43.04
	10 to 49 m	\$ 4.59	£ 3.31	€ 4.00	¥ 36.59
	50 to 249 m	\$ 3.78	£ 2.73	€ 3.29	¥ 30.13
S630-HP	1 to 9 m	\$ 8.90	£ 6.41	€ 7.75	¥ 70.94
	10 to 49 m	\$ 7.57	£ 5.45	€ 6.59	¥ 60.30
	50 to 249 m	\$ 6.23	£ 4.49	€ 5.43	¥ 49.66

*Call for Quantities Over 250 m

Specifications

ITEM #	SM600	630HP	S630-HP ^a
Operating Wavelength ^b	600 - 800 nm ^c	600 - 770 nm	630 - 860 nm
Mode Field Diameter ^d	4.3 μm @ 633 nm 4.6 μm @ 680 nm	4.0 ± 0.5 μm @ 630 nm	4.2 ± 0.5 μm @ 630 nm
Cladding Diameter	125 ± 1 μm	125 ± 1.5 μm	125 ± 1 μm
Coating Diameter	245 μm ± 5%	245 ± 15 μm	245 ± 15 μm
Cutoff Wavelength ^b	550 ± 50 nm	570 ± 30 nm	590 ± 30 nm
Short- (Long-) Term Bend Radius	≥5 mm (≥25 mm)	≥6 mm (≥13 mm)	≥6 mm (≥13 mm)
Attenuation (Maximum)	<15 dB/km @ 633 nm	≤12 dB/km @ 630 nm	≤10 dB/km @ 630 nm
Numerical Aperture	0.12 ^e	0.13	0.12

^aPure Silica Core Fibers

^dMFD is a nominal, calculated value, estimated at the operating wavelength(s)

^bOperating wavelength range is typically 200 nm above the cutoff wavelength

^e0.10 ≤ NA ≤ 0.14

^cWavelength range is illustrative and not guaranteed.

Do you need...

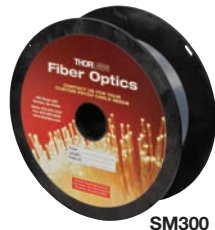
SM600
Patch Cables



See pages 1006 - 1008

Single Mode Fiber: 780 nm to 1000 nm

- Shipped from Stock, No Minimums
- Acrylate Coating
- Core-Clad Concentricity
 - <0.5 μm for 780HP
 - <1.0 μm for SM800-5.6-125
 - ≤0.75 μm for SM800G80
- 780HP Offers Tight Second Mode Cutoff Tolerances
- 780HP Offers a Tight Bend Radius for Applications in Miniaturized Fiber Optic Packages
- SM800G80 Offers Enhanced Bend Insensitivity
- Recommended Stripping Tools (See Page 1154):
 - T04S10 (Ø80 μm Cladding)
 - T06S13 (Ø125 μm Cladding)



SM300

Specifications

ITEM #	780HP	SM800-5.6-125	SM800G80
Operating Wavelength	780 - 970 nm	800 - 1000 nm ^a	820 - 1100 nm ^a
Mode Field Diameter ^b	5.0 ± 0.5 μm @ 850 nm	5.6 μm @ 830 nm	4.2 μm @ 830 nm
Cladding Diameter	125 ± 1.5 μm	125 ± 1 μm	80 ± 1 μm
Coating Diameter	245 ± 15 μm	245 μm ± 5%	175 μm ± 5%
Cutoff Wavelength	730 ± 30 nm	660 - 800 nm	600 - 800 nm
Short- (Long-) Term Bend Radius	≥6 mm (≥13 mm)	≥5 mm (≥25 mm)	≥5 mm (≥12 mm or 38 mm for 25 Year Life)
Attenuation (Maximum)	<3.5 dB/km @ 850 nm	<5 dB/km @ 830 nm	≤5 dB/km @ 830 nm
Numerical Aperture	0.13	0.12 ^c	0.16 ^d

^aWavelength range is illustrative and not guaranteed

^c0.10 ≤ NA ≤ 0.14

^d0.14 ≤ NA ≤ 0.18

^bMFD is a nominal, calculated value, estimated at the operating wavelength(s)

Popular Compatible Connectors (See Page 1142)

CLADDING DIAMETER	FC/PC CONNECTOR	FC/APC CONNECTOR*
80 μm	30080D1	N/A
125 μm	30126D1	30126K1 (Ø900 μm) 30126F1 (Ø3 mm)

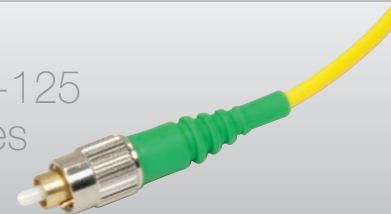
*Furcation Tubing Diameter is given in Parentheses

ITEM #	PRICE/m*	\$	£	€	RMB
780HP	1 to 9 m	\$ 5.40	£ 3.89	€ 4.70	¥ 43.04
	10 to 49 m	\$ 4.59	£ 3.31	€ 4.00	¥ 36.59
	50 to 249 m	\$ 3.78	£ 2.73	€ 3.29	¥ 30.13
SM800-5.6-125	1 to 9 m	\$ 5.50	£ 3.96	€ 4.79	¥ 43.84
	10 to 49 m	\$ 4.68	£ 3.37	€ 4.07	¥ 37.26
	50 to 249 m	\$ 3.85	£ 2.78	€ 3.35	¥ 30.69
SM800G80	1 to 9 m	\$ 4.60	£ 3.32	€ 4.01	¥ 36.67
	10 to 49 m	\$ 3.91	£ 2.82	€ 3.41	¥ 31.17
	50 to 249 m	\$ 3.22	£ 2.32	€ 2.81	¥ 25.67

*Call For Quantities Over 250 m

Would you prefer...

780HP and
SM800-5.6-125
Patch Cables



See pages 1006 - 1008