



### Multimode 50µm OM2 Fiber

#### Features:

- ANSI/TIA-568.D-3
- 50/125um OM2 Fiber

#### Technical Specifications:

Optical Specifications				
Attenuation Coefficient	850 nm	≤ 2.2	≤ 2.3	dB/km
	1300 nm	≤ 0.5	≤ 0.6	dB/km
Numerical Aperture		0.200 ± 0.015		
Chromatic Dispersion				
Zero Dispersion Wavelength		1295 nm ≤ λ <sub>0</sub> ≤ 1340 nm		nm
Zero Dispersion Slope	1295 nm ≤ λ <sub>0</sub> ≤ 1310 nm	0.105		ps/nm <sup>2</sup> .km
	1310 nm ≤ λ <sub>0</sub> ≤ 1340 nm	0.000375 (1590 - λ <sub>0</sub> )		ps/nm <sup>2</sup> .km
Overfilled Modal Bandwidth <sup>1,2</sup>	850 nm	≥ 400 to ≥ 1000		MHz.km
	1300 nm	≥ 400 to ≥ 1500		MHz.km
Bending Loss	100 turns, D=75 mm; 850nm / 1300nm	≤ 0.5		dB
Backscatter Characteristics <sup>3</sup>				
Point Discontinuity <sup>4</sup>	850 nm, 1300 nm	≤ 0.1		dB
Irregularities over fibre length	850 nm, 1300 nm	≤ 0.1		dB
Reflections		Not allowed		
Group Index of Refraction (Typ.)	850 nm	1.482		
	1300nm	1.477		
Geometrical Specifications				
Core Diameter		50 ± 2.5		µm
Core Non-Circularity		≤ 5		%
Core/Cladding Concentricity Error		≤ 1		µm
Cladding Diameter		125.0 ± 1.0		µm

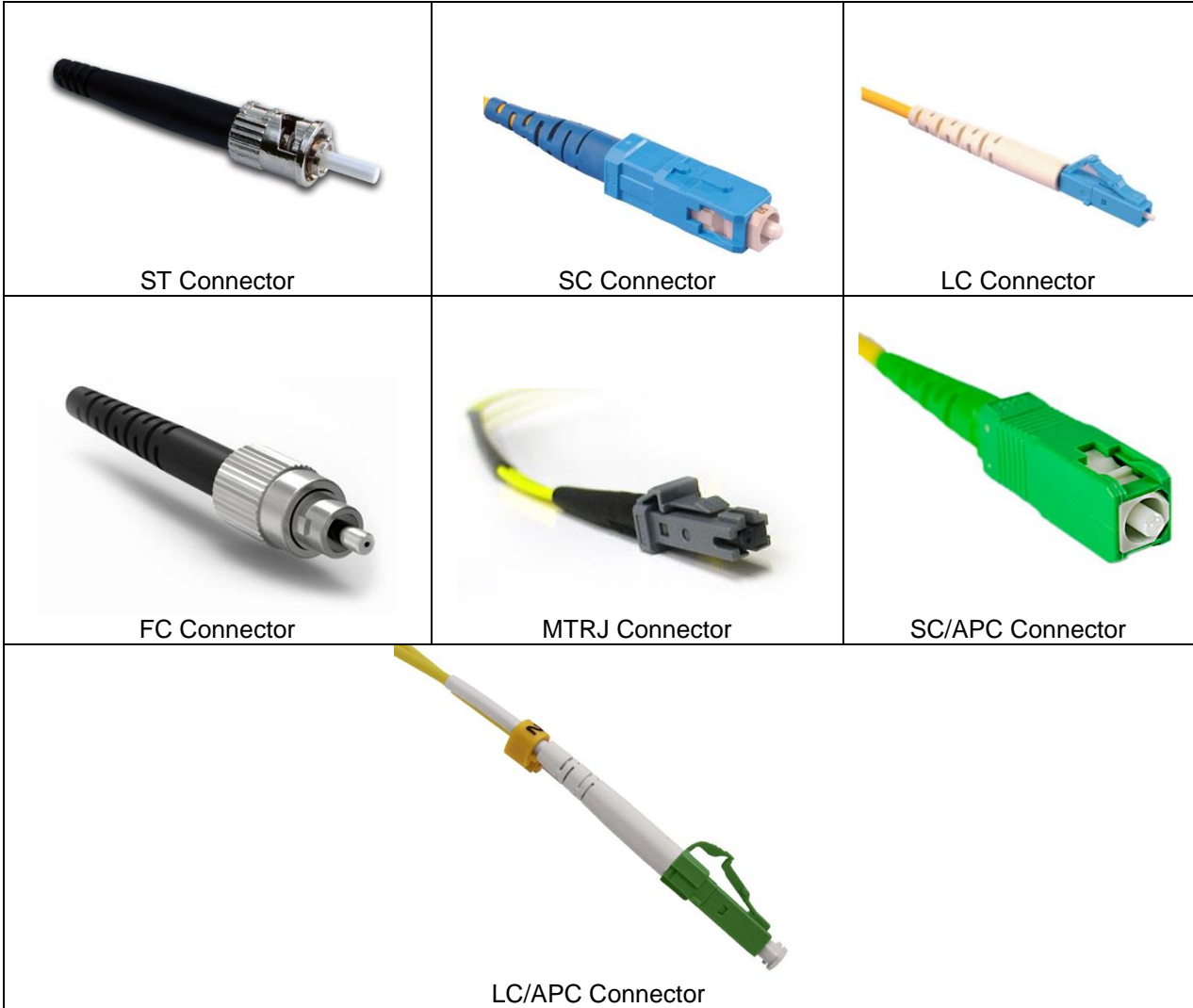
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## Cabling Systems

### MM 50µm OM2 Fiber

Cladding Non-Circularity		≤ 0.7	%
Coating Diameter		242 ± 5	µm
Coating Non-Circularity		≤ 5	%
Coating/Cladding Concentricity Error		≤ 6	µm

**Connector Alternatives:**



Ordering Information:

Example	A	B	C	D	E	F	G	
<b>100201D:</b>		<b>100</b>		<b>2</b>		<b>01</b>	<b>D</b>	
	See chart below			MM / SM 2=MM 50um OM2	Length in mt		D=Duplex S=Simplex	
	ABC							
		ST	SC	LC	FC	MTRJ	SC/APC	LC/APC
	ST	100	101	102	103	104	105	106
	SC	101	110	111	112	113	114	115
	LC	102	111	120	121	122	123	124
	FC	103	112	121	130	131	132	133
	MTRJ	104	113	122	131	140	141	142
	SC/APC	105	114	123	132	141	150	151
	LC/APC	106	115	124	133	142	151	160
	Pigtails	109	119	129	139	149	159	169