

Single-mode G652D Fiber



Features:

- ANSI/TIA-568.D-3
- 9/125um Fiber

Technical Specifications:

Characteristics		Conditions	Specified Values	Units	
Optical Character					
Attenuation		1310 nm	≤0.35	[db/km]	
		1383 nm	(after H2-aging)	≤0.35	[db/km]
		1550 nm		≤0.22	[db/km]
		1625 nm		≤0.24	[db/km]
Attenuation vs. Wavelength		1285-1330 nm	≤0.03	[db/km]	
Max. a difference		1525-1575 nm	≤0.02	[db/km]	
Dispersion coefficient		1285-1340 nm	≥-3.0 ≤ 3.0	[ps/(nm ² ·km)]	
		1550 nm	≤ 18	[ps/(nm ² ·km)]	
		1625 nm	≤ 22	[ps/(nm ² ·km)]	
Zero dispersion	wavelength		1312+/-10	[nm]	
Zero dispersion	slope		≤0.090	[ps/(nm ² ·km)]	
Typical value			0.086	[ps/(nm ² ·km)]	
PMD					
Maximum Individual Fiber			≤0.2	[ps/ km]	
Link Design Value (M=20,Q=0.01%)			≤0.1	[ps/ km]	
Typical Value			0.04	[ps/ km]	
Cable cut-off wavelength			≤1260	[nm]	
Mode field diameter (MFD)		1310 nm	9.2+/- 0.4	[?m]	
		1550 nm	10.4+/- 0.5	[?m]	
Effective group index of refraction (Neff)		1310 nm	1.466		
		1550 nm	1.467		
Point discontinuities		1310 nm	≤0.05	[db]	
		1550 nm	≤0.05	[db]	
Geometrical Characteristics					
Cladding diameter			124.8+/-0.7	[?m]	

Cladding non-circularity		≤0.7	[%]
Coating diameter		245±5	[?m]
Coating-cladding Concentricity error		≤12.0	[?m]
Coating non-circularity		≤6.0	[%]
Core-cladding concentricity error		≤0.5	[?m]
Curl (radius)		≤4	[m]
Delivery length		2.1 to 50.4	[km/reel]
Environmental Characteristics	(1310 nm, 1550 nm & 1625 nm)		
Temperature dependence			
Induced attenuation at	-60°C to +85°C	≤0.05	[db/km]
Temperature-humidity cycling			
Induced attenuation at	-10°C to +85°C, 98%RH	≤0.05	[db/km]
Water soak dependence			
Induced attenuation at	23°C, for 30 days	≤0.05	[db/km]
Damp heat dependence			
Induced attenuation at	85°C and 85% RH, for 30 days	≤0.05	[db/km]
Dry heat aging at	85°C	≤0.05	[db/km]

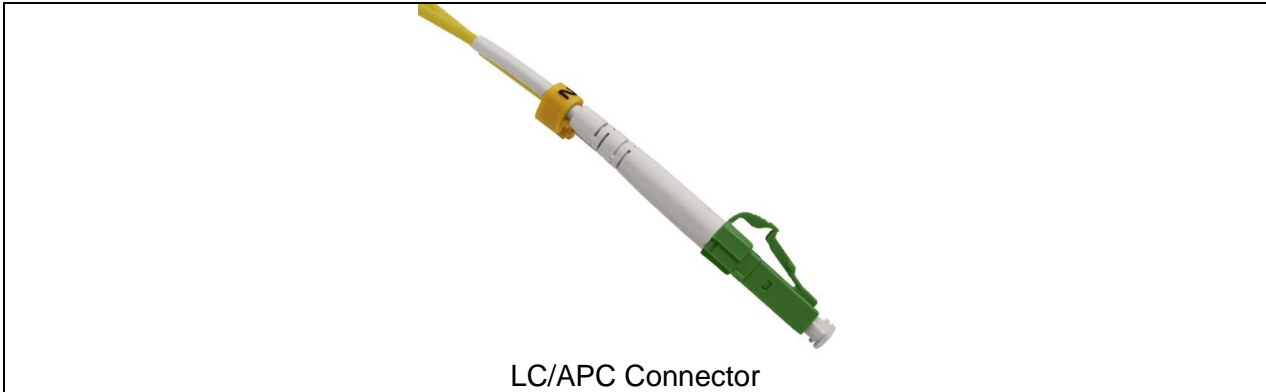
Connector Alternatives:



NEWLINK

Cabling Systems

SM G652D Fiber



Ordering Information:

Example	A	B	C	D	E	F	G	
100301D:		100		3		01	D	
	See chart below		MM / SM 3=SM G652D			Length in mt	D=Duplex	
	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