Fiber specifications.

Geometrical and Transmission Parameters

Fiber type to ITU-T recom.:	OS2 (9/125) G.652.D	OS2 (9/125)[A] G.657.A1	9/125 G.655.D	9/125 G.655.E, G.656
Fiber Nomenclature	S2	S7	S5	S6
Mode Field Diameter (µm) - typically **@1310 nm** **@1550 nm**	9.2 ± 0.4 10.4 ± 0.5		8.4 ± 0.6	8.6 ± 0.4
Cladding Diameter (µm)	125 ± 0.7			
Coating Diameter (µm)	242 ± 7			
Attenuation [8] (dB/km) **typical /** max. (single fiber) @ 1310 nm **typical /** max. (single fiber) @ 1550 nm **typical /** max. (single fiber) @ 1625 nm	 **0.31 /** 0.36 **0.20 /** 0.25 **0.21 /** 0.27		 **0.25 /** 0.30 **0.27 /** 0.34	

Fiber type	OM1 (62,5/125)	OM2 (50/125)[A]	OM3 (50/125)[A]	OM4 (50/125)[A]	OM5 (50/125)[A]
Fiber Nomenclature	M1	M2	M3	M4	M5
Numerical Aperture (µm)	0.275 ± 0.015	0.200 ± 0.015			
Core Diameter (µm)	62.5 ± 2.5	50.0 ± 2.5			
Cladding Diameter (µm)	125 ± 1.0				
Coating Diameter (µm)	242 ± 5				
Overfilled Modal Bandwidth (Mhz.km) **@850 nm** **@ 1300 nm**	 ≥ 200 ≥ 500	 ≥ 500 ≥ 500	 ≥ 1500 ≥ 500	 ≥ 3500 ≥ 500	
Link Length (m) **lGb/s** **l0Gb/s**	 ≤ 220 ≤ 33	 ≤ 550 ≤ 82	 ≤ 1000 ≤ 300	 ≤ 1100 ≤ 550	
Attenuation [8] (dB/km) **typical /** max. (single fiber) @ 850 nm **typical /** max. (single fiber) @ 1300 nm	 **2.7 /** 3.3 **0.6 /** 1.1	 **2.5 /** 3.5 **0.6 /** 1.5			

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