Performance For Optical Fiber

Dimension

Type	Mode field diameter (μm)	Core efficiency area ($μm^2$)	Cladding diameter (μm)	Core/cladding concentricity error (μm)	cladding non-circularity (%)	Coating thickness (μm)	Min.sieving tension (N)
G.652	9.2±0.4 (1310nm)	-	125±1.0	≤0.5	≤1.0	245±5	≥8.6 (1% optical strain @100kpsi, hold time ≥1S)
G.655	9.2--10.0 (1550nm)	7.2 (1550nm)					

REMARK: G.652 -- SINGLE-MODE OPTICAL FIBER

G.655 -- Non-Zero Dispersion Displacement Single Mode Optical Fiber

Optical & Transmission Characteristics

Attenuation			
Item	G.652		G.655
	1310nm	1550nm	1550nm
Class A (dB/km)	≤0.36	≤0.22	≤0.22
Class B (dB/km)	≤0.40	≤0.25	≤0.25

Attenuation Uniformity

G.652: ≤(α mean + 0.10dB)/2

G.655: ≤α mean + 0.10dB

Attenuation Increase with Bending

Item	G.652		G.655
	1310nm	1550nm	1550nm
100 turns of fiber loosely wound with 50mm diameter Increased attenuation(dB)	≤0.05	≤0.10	≤0.10

Dispersion

G.652	G.655
Zero dispersion wavelength: 1300～1322nm Zero dispersion slope(S_0): ≤0.092ps/nm^2·km Dispersion modulus: ≤3.5ps/nm·km(1285～1330nm) ≤18.0ps/nm·km(1550nm)	Dispersion(1530～1565nm): 2.0ps/nm·km ≤|D(λ)|≤6.0ps/nm·km Dispersion(1565～1625nm) 4.5ps/nm·km ≤|D(λ)|≤11.2ps/nm·km

Cut-off Wavelength After Rewinding

G.652	G.655
$λ_{cc}$≤1260nm(measured on a 20+2m length sample)	$λ_{cc}$≤1470nm