

- ZTT G.652D fiber characteristics (ITU-G.652)

Category	Description	Specifications
Optical Specifications	Attenuation @1310 nm	≤0.34 dB/km
	@1383 nm (after aged)	≤0.34 dB/km
	@1550 nm	≤0.20 dB/km
	Attenuation Non-uniformity @1310 nm, 1550 nm	≤0.05dB
	Point Discontinuity @1310 nm, 1550 nm	≤0.05 dB
	Attenuation vs. Wavelength @1288 nm~1330 nm	≤0.05dB/km
	@1525~1575 nm	≤0.05 dB/km
	Zero Dispersion Wavelength	1300~1324 nm
	Zero Dispersion Slope	≤0.093 ps/nm ² ·km
	Dispersion @1288~1339 nm	≤3.5 ps/nm·km
	@1271~1360 nm	≤5.3 ps/nm·km
	@ 1550 nm	≤18 ps/nm·km
	Polarization Mode Dispersion (PMD)	≤0.2 ps/√km
	PMD Link Design value	≤0.2 ps/√km
	Cable Cutoff Wavelength (λ _{cc})	≤1260 nm
	Macro bending Loss (100 turns; Φ50 mm) @1550 nm	≤ 0.05 dB
	(100 turns; Φ50 mm) @1625 nm	≤ 0.10 dB
	Mode Field Diameter @1310 nm	9.2±0.4μm
	@1550 nm	10.4±0. 8μm
Dimensional Specifications	Fiber Curl Radius	≥4.0 m
	Cladding Diameter	125 ±1μm
	Core / Clad Concentricity	≤0.6μm
	Cladding Non-Circularity	≤1.0%
	Coating Diameter	245± 10μm
	Coating / Cladding Concentricity	≤12μm
	Coating Non-Circularity	≤6.0%
Mechanical Specifications	Proof Test	≥100kspi (0.69GPa)
	Fatigue Resistance Parameter (N _d)	≥ 20
	Peak Coating Strip Force	1.3~8.9 N