

Normative References

j-fiber's quality assurance procedures are compliant to the following measurement methods, test procedures and specifications for optical fibers detailed in the following IEC standards.

	Standard	Measurement Methods / Test Procedures
Optical Characteristics	IEC-60793-1-40	Attenuation Characteristics (attenuation @ 850nm & 1300nm, Discontinuities)
	IEC-60793-1-41	Bandwidth (bandwidth @ 850nm & 1300nm, OFL, RML)
	IEC-60793-1-42	Chromatic Dispersion
	IEC-60793-1-43	Numerical Aperture
	IEC-60793-1-44	Cut-off Wavelength
	IEC-60793-1-45	Mode field diameter
	IEC-60793-1-46	Monitoring of changes of optical transmittance
	IEC-60793-1-47	Macrobending Loss
	IEC-60793-1-48	PMD measurement methods
	IEC-60793-1-49	DMD Measurement
Geometrical Characteristics	IEC-60793-1-20	Fiber Geometry - Core Diameter - Core Non-Circularity - Core-Cladding Concentricity Error - Cladding Diameter - Cladding Non-Circularity
	IEC-60793-1-21	Coating Geometry - Coating Diameter - Coating-Cladding Concentricity Error
	IEC-60793-1-22	Length Measurement
Mechanical Characteristics	IEC-60793-1-30	Fiber Proof Test
	IEC-60793-1-31	Tensile Strength
	IEC-60793-1-32	Coating Strippability
	IEC-60793-1-33	Stress Corrosion Susceptibility
	IEC-60793-1-34	Fiber Curl
Environmental Characteristics	IEC-60793-1-50	Damp Heat (30 days at 85°C / 85% R.H.)
	IEC-60793-1-51	Dry Heat (30 days +85°C)
	IEC-60793-1-52	Change of Temperature (-60°C to +85°C)
	IEC-60793-1-53	Water Immersion (30 days in 23°C water)
	IEC-60793-1-54	Gamma irradiation
Product Specifications	IEC-60793-2-10	Category A1 multimode fibers (glass, graded-index)
	IEC-60793-2-20	Category A2 multimode fibers (glass, step-index)
	IEC-60793-2-30	Category A3 multimode fibers (glass core, plastic clad)
	IEC-60793-2-40	Category A4 multimode fibers (plastic core & clad)
	IEC-60793-2-50	Category B singlemode fibers (G.652...G.657)
	IEC-60793-2-60	Category C singlemode fibers (intraconnection)
	IEC-60793-2-70	Polarization-maintaining fibers

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