

Specification Data

性能分类	性能参数项目	Specification Items	IPT-1000
光学特性 (光学特性)	光学等级	Fiber rank	Super
	衰减 (dB/km) @850nm	Attenuation(dB/km) @850nm	<=60
	衰减 (dB/km) @1300nm	Attenuation(dB/km) @1300nm	<=60
	带宽 (MHz. km) @850nm	Bandwidth @850nm	>=600
	带宽 (MHz. km) @1300nm	Bandwidth @1300nm	>=600
	零色散波长范围	Zero-dispersion wavelength	1580nm
	零色散斜率最大值	Zero-dispersion slope	0.0291(ps/nm ² *km)
	850-1310nm最大色散系数绝对值	Maximum absolute value of dispersion	No specified
	纤芯折射率	Core refractive Index	1.35
	纤芯包层折射率	Cladding refractive Index	1.328
	截止波长λ _{cc}	Cut-off wavelength λ _{cc}	Not applicable
背向散射特性	数值孔径	Numerical Aperture	0.245±0.015
	局部不连续点	Point Discontinuity	Not specified
	光纤衰减不均匀性	Attenuation uniformity	Not specified
几何特性 (几何特性)	双向背向散射系数差	Bidirectional backscatter coefficient difference	Not specified
	模场直径	Mode field diameter	Not applicable
	芯直径	Core diameter	55±5um
	芯不圆度	Core non-circularity	<=6%
	包层直径	Cladding diameter	490±5um
	包层不圆度	Cladding non-circularity	<=2%
	芯/包层同心度偏差	Core/Cladding concentricity error	<=5um
	涂层直径	Jacket diameter	Not applicable
	涂层/包层同心度偏差	Cladding/Jacket concentricity error	Not applicable
	光纤段长	Delivery Length	Standard length = 500 m
环境特性 (环境特性) @ 850nm & 1300nm	温度特性 (-60℃~85℃)	Temperature Induced Attenuation	<=1dB/100m(-20 ~ 70C)
	热老化特性 (85℃±2℃, 30天)	Heat Aging Induced Attenuation	<=1 dB/100m
	浸水性能 (23℃±2℃, 30天)	Water Immersion induced attenuation	Not applicable
	湿热性能 (85℃±2℃, RH85%, 30天)	Damp Heat induced attenuation	<=1dB/100m
	高温下的油滴性能	Oil-drop characteristic in high temperature	Not applicable
机械特性 (机械特性)	耐油性性能	Oil Resistance	Not applicable
	光纤筛选应力	Fiber filtering stress	Not applicable
	裸线抗拉力	Tensile load of bare fiber	7N
	线缆抗拉力	Tensile load of optical cable	80N/心 (φ2)、100N/心 (φ)
	裸线压扁允许压力	Crush Resistance of bare fiber	220N/100mm <0.3 dB
	线缆压扁允许压力	Crush Resistance of optical cable	220N/100mm <0.3 dB
	绕轴扭转抗力	Axial rotation resistance	No specified
	容许弯曲最小直径	Minimum bending diameter	R=5 mm
	最大弯曲状态下损耗	Loss at maximum bending situation(D=5mm)	<=0.3 dB at R= 5mm U turn
	涂层剥离力 (典型值)	Coating strip force (Typical value)	Not applicable
	动态疲劳参数 (典型值)	Dynamic fatigue parameter (Typical value)	Not applicable
	宏弯损耗 (100圈, 75mm直径) @ 850nm和1300nm	Macrobending induced loss(100 round, 75mm diameter)	Not specified

注: The above are typical data. The actual may be a little different.