HI Series Fiber Patch Cable



Specifications

Parameter	Unit	Value				
Fiber Type	-	HI780	HI980	HI1060	HI1310	HI1550
Center Wavelength	nm	780	980	1060	1310	1550
Operating Wavelength Range	nm	±20	±20	±20	±20	±20
Core Diameter	μm	5.0±0.5	6.2±0.5	6.6±0.5	8.7±0.5	10.4±0.5
Cladding Diameter	μm	125±1	125±1	125±1	125±1	125±1
Coating Diameter	μm	245±10	245±10	245±10	245±10	245±10
Core-Cladding Concentricity Error	μm	≤0.5	≤0.5	≤0.5	≤0.5	≤0.5
Mode Field Diameter	μm	5.3±0.5	6.6±0.5	7.1±0.5	9.2±0.5	10.8±0.5
Numerical Aperture	-	0.14±0.02	0.14±0.02	0.14±0.02	0.14±0.02	0.14±0.02
Cutoff Wavelength	nm	≤730	≤920	≤980	≤1260	≤1520
Attenuation Coefficient	dB/km	≤3.0	≤2.5	≤2.0	≤0.5	≤0.4
Return Loss	dB	≥50	≥50	≥50	≥50	≥50
Splicing Loss	dB	≤0.1	≤0.1	≤0.1	≤0.1	≤0.1

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Applications

Fiber Type	Working Band	Typical Application Scenarios
HI780	780nm	780nm laser, gyro sensor, short-wavelength optical components, tapered coupler
HI980	980nm	EDFA Pump Light Source, 980nm Pump Laser Fiber Link, and Optical Amplifier Device Interface
HI1060	1060nm	1060nm laser system, fiber grating, near-infrared device coupling
HI1310	1310nm	1310nm optical components, passive components, test links
HI1550	1550nm	1550nm passive components, DWDM, optical amplifier output link

Ordering Information

☐	☐m	☐μm/mm	☐	☐	☐	☐
Fiber Type	**Fiber Length**	**Cable Diameter**	**Cable Jacket**	**Jacket Color**	**End A**	**End B**
HI780	1m	250μm Bare Fiber	PVC	Yellow	None	None
HI980	2m	900μm Loose Tube	LSZH	Blue	LC/UPC	LC/UPC
HI1060	3m	2.0mm			LC/APC	LC/APC
HI1310	5m	3.0mm			SC/UPC	SC/UPC
HI1550	10m				SC/APC	SC/APC
	15m				FC/UPC	FC/UPC
	30m				FC/APC	FC/APC
	Custom				ST/UPC	ST/UPC
					ST/APC	ST/APC
					E2000/UPC	E2000/UPC
					E2000/APC	E2000/APC

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