FiberTechniques Inc Fiber Specifications

Singlemode - OS2

Fiber Type	Singlemode, low water peak	
Cladding Diameter	125 um	
Primary Coating Diameter (UV cured acrylate)	245 um	
Secondary Buffer Diameter (hard elastomeric)	900 um	
Proof Test Level	100 kpsi	
Wavelength	1310 nm	1550 nm
Attenuation	0.5 dB/km	0.5 dB/km
Nominal Zero Dispersion Slope	0.092 ps/(nm^2-km)	

62.5/125um - OM1

Fiber Type	Multimode	
Core Diameter	62.5 um	
Cladding Diameter	125 um	
Primary Coating Diameter (UV cured acrylate)	245 um	
Secondary Buffer Diameter (PVC)	900 um	
Numerical Aperture	0.275	
Proof Test Level	100 kpsi	
Wavelength	850 nm	1310 nm
Gigabit Ethernet Distance	300 m	600 m
Maximum Attenuation	3.5 dB/km	1.0 dB/km
Minimum Laser Bandwidth	220 MHz-km	500 MHz-km
Minimum LED Bandwidth	200 MHz-km	500 MHz-km

50/125um - OM2

Fiber Type	Multimode	
Core Diameter	50 um	
Cladding Diameter	125 um	
Primary Coating Diameter (UV cured acrylate)	245 um	
Secondary Buffer Diameter	900 um	
Numerical Aperture	0.20	
Proof Test Level	100 kpsi	
Wavelength	850 nm	1310 nm
Gigabit Ethernet Distance	600 m	600 m
Maximum Attenuation	3.5 dB/km	1.5 dB/km
Minimum Laser Bandwidth	510 MHz-km	500 MHz-km
Minimum LED Bandwidth	500 MHz-km	500 MHz-km

50/125um 10 Gig - OM3

Fiber Type	Multimode	
Core Diameter	50 um	
Cladding Diameter	125 um	
Primary Coating Diameter (UV cured acrylate)	245 um	
Secondary Buffer Diameter	900 um	
Numerical Aperture	0.20	
Proof Test Level	100 kpsi	
Wavelength	850 nm	1310 nm
Gigabit Ethernet Distance	600 m	600 m
Maximum Attenuation	3.5 dB/km	1.5 dB/km
Minimum Laser Bandwidth	510 MHz-km	500 MHz-km
Minimum LED Bandwidth	500 MHz-km	500 MHz-km

Large core (100/140um, 200/230um) available as custom made cable