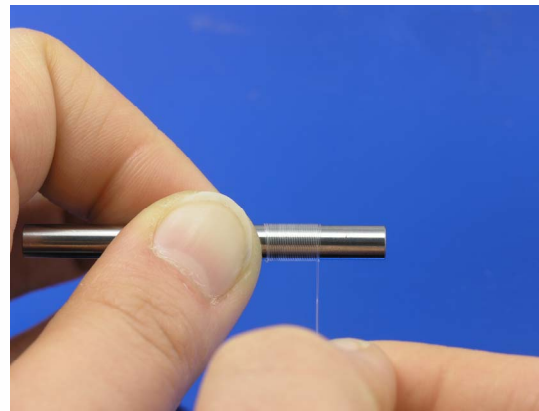


Low Bend Multimode Fiber

(patents pending)

Product Description

Agiltron offers a new family of low bend loss multimode fibers, featuring 100 times lower bend loss or 5 times smaller bendable radius than standard multimode fibers. Agiltron's patent pending low bend loss multimode fiber is designed to confine the signals within the fiber core when it experiences tight bending. This new class fiber is fully compatible with the conventional multimode fibers in terms of splicing and butt connecting with little loss. This new fiber is well suited for use in the next generation FTTH and LAN, as well as jumpers with reduced signal loss.



Features

- Low bend loss
- Ultra-high reliability
- Low splice loss
- Gigabit network capacity

Applications

- Local area network (LAN)
- Fiber to the home (FTTH)
- Backplane ribbon cable
- Instrumentation

Optical Specifications

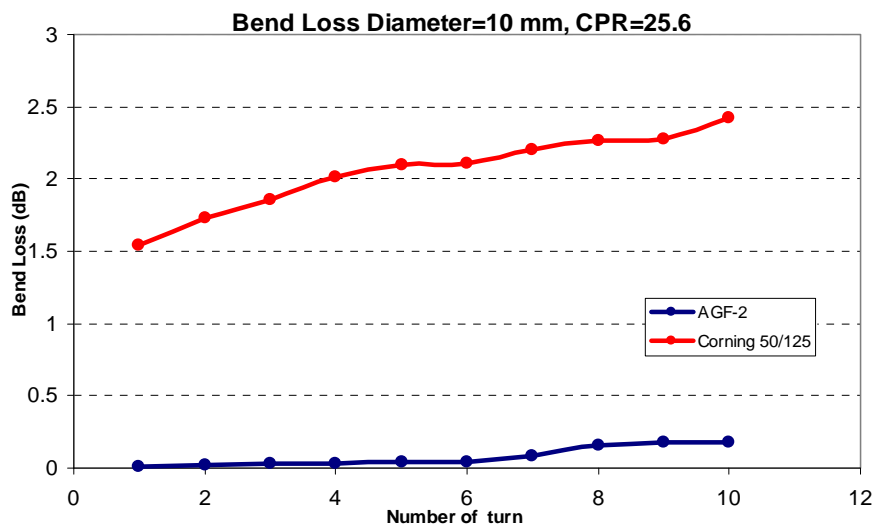
AGF		Unit
Bandwidth-Length	1500 (at 850nm)	MHz-km
	500 (at 1300nm)	MHz-km
Attenuation	≤2.5 (at 850nm)	dB/km
	≤0.6 (at 1300nm)	dB/km
Numerical Aperture	0.200±0.015	
Optimized Data Rate at 850nm	10 over 550m	Gb/s
	1 over 1100m	Gb/s



Low Bend Multimode Fiber

Dimensional Specification

Parameter	Value	Unit
Core Diameter	50.0±2.5	µm
Cladding Diameter	125.0±2.0	µm
Core-Clad Concentricity	<1.5	µm
Cladding Non-Circularity	<1.0%	
Core Non-Circularity	<5.0%	
Coating Diameter	245.0±5.0	
Coating-Clad Concentricity	<12	µm



Ordering Information

LBMF-	Core diameter	Cladding diameter	Coating	cable
<div style="display: flex; justify-content: space-around;"> <div style="border: 1px solid black; width: 20px; height: 20px;"></div> <div style="border: 1px solid black; width: 20px; height: 20px;"></div> <div style="border: 1px solid black; width: 20px; height: 20px;"></div> <div style="border: 1px solid black; width: 20px; height: 20px;"></div> </div>	50 µm =050 62.5 µm = 625 100 µm =100 Special=0	<div style="display: flex; justify-content: space-around;"> <div style="border: 1px solid black; width: 20px; height: 20px;"></div> <div style="border: 1px solid black; width: 20px; height: 20px;"></div> <div style="border: 1px solid black; width: 20px; height: 20px;"></div> <div style="border: 1px solid black; width: 20px; height: 20px;"></div> </div> 125 µm=125 140 µm =140 250 µm =250	<div style="display: flex; justify-content: space-around;"> <div style="border: 1px solid black; width: 20px; height: 20px;"></div> <div style="border: 1px solid black; width: 20px; height: 20px;"></div> </div> acrylate=11 polyimide=22 carbon/acrylate=13 carbon/polyimide=23 special=00	<div style="border: 1px solid black; width: 20px; height: 20px;"></div> 3mm=1 2mm=2 0.9 mm=9 Special=0

