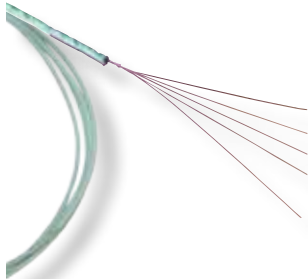
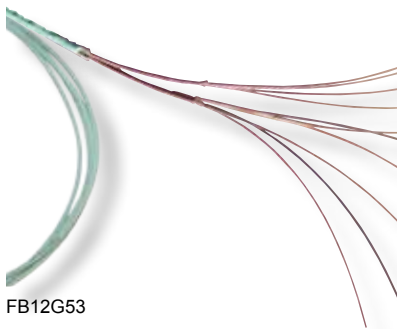


Fiber Bundles

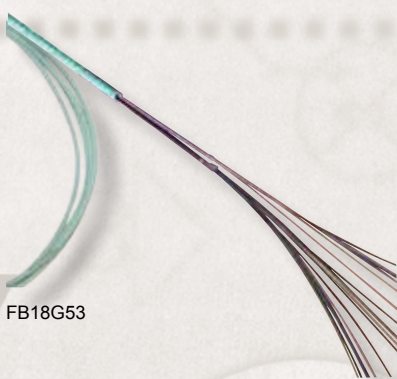
Laser Optimized Multimode 50 μm



FB06G53



FB12G53



FB18G53

Features

- Up to 24 fibers per bundle
- Industry standard OM3 and OM4
- Fibers individually color coded per TIA standards
- Aqua aerodynamic jacket allows long distance blows
- Ripcords for easy bundle entry
- UL listed for use with fire-rated tube cables

- Meets ICEA, TIA and UL standards
- Meets IEEE 802.3z Gigabit Ethernet standard.
- Gigabit laser optimized 50/125 multimode

Applications

These small fiber bundles are designed for installation into the FutureFLEX Air-Blown Fiber tube cable infrastructure. Operating wavelengths are 850 and 1300 nm. They can be used in indoor and outdoor installations.

Specifications

Property	Specification		
Fiber Bundle Jacket material	Polyethylene Extruded Foam (PEF)		
Fiber Bundle Jacket color	Aqua for 10 Gigabit fibers		
Core diameter	50 micron		
Cladding diameter	125 micron		
Buffer / acrylate diameter	250 micron		
Maximum Attenuation at 850 / 1300 nm	< 3.5 / 1.0 dB/km		
Fiber Bandwidth at 850 / 1300 nm	$\geq 500 / 500$ MHz*km		
Min. Bandwidth (overfilled launch)	Ext. Grade	850 nm	1500 MHz*km
		1300 nm	500 MHz*km
	Max. Grade	850 nm	3500 MHz*km
		1300 nm	500 MHz*km
Min. Gigabit Ethernet Distance	Ext. Grade	850 nm	1000 m
		1310 nm	600 m
	Max. Grade	850 nm	1000 m
		1310 nm	600 m
Min. 10-Gigabit Ethernet Distance	Ext. Grade	850 nm	300 m
		1310 nm	300 m
	Max. Grade	850 nm	550 m
		1310 nm	300 m
Group Index of Refraction	850 nm	1.483	
	1300 nm	1.479	
Laser EMB @ 850 nm (MHz*km)	Ext. Grade	850 nm	2000 m
		1310 nm	500 m
	Max. Grade	850 nm	4700 m
		1310 nm	500 m
Operation Temperature Range	-40° F to +158° F (-40° C to +70° C)		
Fiber Bundle Minimum Bend Radius	1.5"		

Physical Characteristics

Part Number	Fiber Type	Description	Outside Diameter (in./mm.)	Max. Weight (lbs./kft.)	Std. Length	Max. Length
FB06G53	50/125 OM3	10 Gb 300 Meter Multimode 6-fiber	0.08 / 2.0	0.4	14,000	~16,000
FB12G53	50/125 OM3	10 Gb 300 Meter Multimode 12-fiber	0.12 / 3.0	3.4	7,000	~9,000
FB18G53	50/125 OM3	10 Gb 300 Meter Multimode 18-fiber	0.12 / 3.0	3.4	7,000	~9,000
FB24G53	50/125 OM3	10 Gb 300 Meter Multimode 24-fiber	0.12 / 3.0	3.4	7,000	~9,000
FB06G55	50/125 OM4	10 Gb 550 Meter Multimode 6-fiber	0.08 / 2.0	0.4	14,000	~16,000
FB12G55	50/125 OM4	10 Gb 550 Meter Multimode 12-fiber	0.12 / 3.0	3.4	7,000	~9,000
FB18G55	50/125 OM4	10 Gb 550 Meter Multimode 18-fiber	0.12 / 3.0	3.4	7,000	~9,000
FB24G55	50/125 OM4	10 Gb 550 Meter Multimode 24-fiber	0.12 / 3.0	3.4	7,000	~9,000