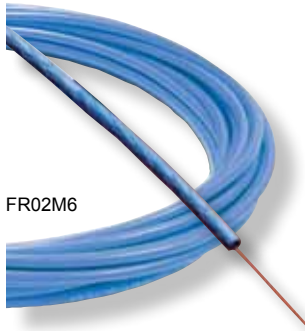


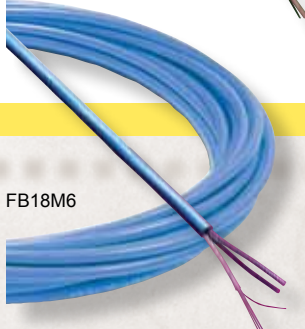
Fiber Bundles



FR02M6



FB06M6



FB18M6

Multimode 62.5 μm

Features

- Up to 24 fibers per bundle
- Industry standard 62.5 μm graded-index multimode optical fiber
- Fibers individually color coded per TIA standards
- Blue 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.

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	Blue		
Core diameter	62.5 micron		
Cladding diameter	125 micron		
Buffer / acrylate diameter	250 micron		
Maximum Attenuation at 850 / 1300 nm	< 3.5 / 1.5 dB/km		
Minimum Bandwidth at 850 / 1300 nm	\geq 220 / 600 MHz-km		
Min. Gigabit Ethernet Distance	Std. Grade	850 nm	300 m
		1300 nm	500 m
	Ext. Grade	850 nm	500 m
		1300 nm	1000 m
Group Index of Refraction	850 nm	1.496	
	1300 nm	1.491	
Operation Temperature Range	-40° F to +158° F (-40° C to +70° C)		
Fiber Bundle Minimum Bend Radius	1.5"		

12

Physical Characteristics

Part Number	Fiber Type	Description	Outside Diameter (in./mm.)	Max. Weight (lbs./kft.)	Std. Length	Max. Length
FR02M6	62.5/125 OM1	Multimode 2-fiber (Ribbon)	0.08 / 2.0	0.4	14,000	~16,000
FB04M6	62.5/125 OM1	Multimode 4-fiber	0.08 / 2.0	1.3	14,000	~16,000
FB06M6	62.5/125 OM1	Multimode 6-fiber	0.08 / 2.0	1.3	14,000	~16,000
FB12M6	62.5/125 OM1	Multimode 12-fiber	0.12 / 3.0	3.4	7,000	~9,000
FB18M6	62.5/125 OM1	Multimode 18-fiber	0.12 / 3.0	3.4	7,000	~9,000
FB24M6	62.5/125 OM1	Multimode 24-fiber	0.12 / 3.0	3.4	7,000	~9,000
FB04R6	62.5/125 OM1	Multimode RADHARD 4-fiber	0.08 / 2.0	1.3	14,000	~16,000
FB06R6	62.5/125 OM1	Multimode RADHARD 6-fiber	0.08 / 2.0	1.3	14,000	~16,000
FB12R6	62.5/125 OM1	Multimode RADHARD 12-fiber	0.12 / 3.0	3.4	7,000	~9,000
FB18R6	62.5/125 OM1	Multimode RADHARD 18-fiber	0.12 / 3.0	3.4	7,000	~9,000
FB24R6	62.5/125 OM1	Multimode RADHARD 24-fiber	0.12 / 3.0	3.4	7,000	~9,000