

Fiber Bundles



FR02SX



FB06SX



FB18SX

Single-mode

Features

- Up to 24 fibers per bundle
- Industry standard low water peak single-mode optical fiber
- Fibers individually color coded per TIA standards
- Yellow 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

Applications

These fiber bundles are designed for installation into the FutureFLEX Air-Blown Fiber tube cable infrastructure. They can be used in indoor and outdoor applications.

Specifications

Property	Specification	
Fiber Bundle Jacket material	Polyethylene Extruded Foam (PEF)	
Fiber Bundle Jacket color	Yellow	
Core diameter	8.3 micron	
Core / Cladding Offset	≤ 0.4 μm	
Cladding diameter	125 micron	
Buffer / acrylate diameter	250 micron	
Maximum Dispersion at 1310 / 1550 nm	≤ 3.2 / 18.0 ps/nm-km	
Index of Refraction	1310 nm	1.466
	1550 nm	1.467
	1625 nm	1.47
Operation Temperature Range	-58°F to +158°F (-50°C to + 70°C)	
Fiber Bundle Minimum Bend Radius	1.5"	

11

Physical Characteristics

Part Number	Fiber Type	Description	Outside Diameter (in./mm.)	Max. Weight (lbs./kft.)	Std. Length	Max. Length
FR02SX	SM OS2	Single-mode 2-fiber (Ribbon)	0.08 / 2.0	0.4	14,000	~16,000
FB04SX	SM OS2	Single-mode 4-fiber	0.08 / 2.0	1.3	14,000	~16,000
FB06SX	SM OS2	Single-mode 6-fiber	0.08 / 2.0	1.3	14,000	~16,000
FB12SX	SM OS2	Single-mode 12-fiber	0.12 / 3.0	3.4	7,000	~9,000
FB18SX	SM OS2	Single-mode 18-fiber	0.12 / 3.0	3.4	7,000	~9,000
FB24SX	SM OS2	Single-mode 24-fiber	0.12 / 3.0	3.4	7,000	~9,000
FR02SR	SM OS2	Single-mode RADHARD 2-fiber (Ribbon)	0.08 / 2.0	0.4	14,000	~16,000
FB04SR	SM OS2	Single-mode RADHARD 4-fiber	0.08 / 2.0	1.3	14,000	~16,000
FB06SR	SM OS2	Single-mode RADHARD 6-fiber	0.08 / 2.0	1.3	14,000	~16,000
FB12SR	SM OS2	Single-mode RADHARD 12-fiber	0.12 / 3.0	3.4	7,000	~9,000
FB18SR	SM OS2	Single-mode RADHARD 18-fiber	0.12 / 3.0	3.4	7,000	~9,000
FB24SR	SM OS2	Single-mode RADHARD 24-fiber	0.12 / 3.0	3.4	7,000	~9,000