

# Fiber Bundles


**FB06M5**

**FB12M5**

## Multimode 50 $\mu$ m

### Features

- Up to 24 fibers per bundle
- Industry standard 50  $\mu$ m graded-index multimode optical fiber
- Fibers individually color coded per TIA standards
- White 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® System tube cable infrastructure. Operating wavelengths are 850 and 1300 nm. They can be used in indoor and outdoor applications.

### Specifications

| Property                                | Specification           |
|---|-------------------------|
| Fiber Attenuation (850/1300 nm)         | $\leq$ 3.5/1.5 dB/km    |
| Fiber Bandwidth (850/1300 nm)           | $\geq$ 500/500 MHz•km   |
| Gigabit Ethernet Distance (850/1300 nm) | $\geq$ 550/550 Meters   |
| Operation Temperature Range             | -50° to +158°F          |
| Minimum Bend Radius                     | 1.5 in.                 |
| Reel Length*                            | 7,000 ft. or 14,000 ft. |

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### Physical Characteristics

| Part Number | Description   | No. of Fibers | Outside Diameter (in./mm) | Max. Weight (lbs./kft.) |
|-------------|---|---------------|---------------------------|-------------------------|
| FR02M5      | 2-fiber ribbon design. Covered with white foamed jacket.                              | 2             | 0.08 / 2.0                | 0.4                     |
| FB04M5      | 4-fiber bundle design, contains polyester ripcord. Covered with white foamed jacket.  | 4             | 0.08 / 2.0                | 1.3                     |
| FB06M5      | 6-fiber bundle design, contains polyester ripcord. Covered with white foamed jacket.  | 6             | 0.08 / 2.0                | 1.3                     |
| FB12M5      | 12-fiber bundle design, contains polyester ripcord. Covered with white foamed jacket. | 12            | 0.12 / 3.0                | 3.4                     |
| FB18M5      | 18-fiber bundle design, contains polyester ripcord. Covered with white foamed jacket. | 18            | 0.12 / 3.0                | 3.4                     |
| FB24M5      | 24-fiber bundle design, contains polyester ripcord. Covered with white foamed jacket. | 24            | 0.12 / 3.0                | 3.4                     |

\* 2, 4 and 6 fiber bundles available in reels to up 14,000 feet reel length. 12 and 18 fiber bundles available on reels up to 7,000 feet in length.