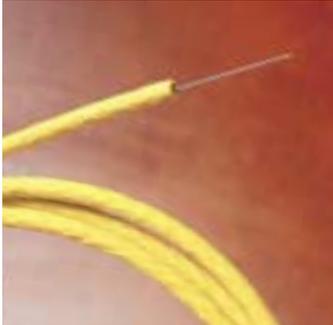
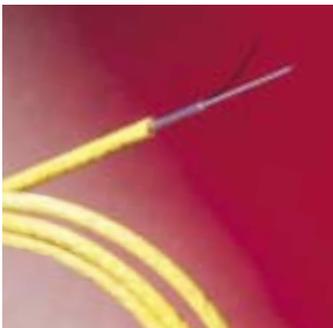
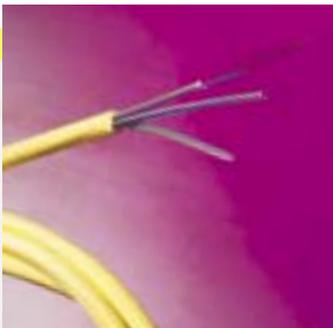


Fiber Bundles


FR02SX

FB06SX

FB18SX

Single-mode

Features

- Up to 18 fibers per bundle
- Industry standard 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® System tube cable infrastructure. Operating wavelengths are 1310 and 1550 nm. They can be used in indoor and outdoor applications.

Specifications

Property	Specification
Fiber Attenuation (1310/1550 nm)	≤ 0.40/0.30 dB/km
Fiber Dispersion (1310/1550 nm)	≤ 3.2/18.0 ps/nm•km
Operation Temperature Range	-40° to +158°F
Minimum Bend Radius	1.5"
Reel Length*	3,500', 7,000' or 14,000'

Physical Characteristics

Part Number	Description	No. of Fibers	Outside Diameter (in.)	Max. Weight (lbs./kft.)
FR02SX	2-fiber ribbon design. Covered with yellow foamed jacket.	2	0.08	0.4
FB04SX	4-fiber bundle design, contains polyester ripcord. Covered with yellow foamed jacket.	4	0.08	1.3
FB06SX	6-fiber bundle design, contains polyester ripcord. Covered with yellow foamed jacket.	6	0.08	1.3
FB06SR NEW	6-fiber RAD HARD bundle design, contains polyester ripcord. Covered with yellow foamed jacket.	6	0.08	1.3
FB12SX	12-fiber bundle design, contains polyester ripcord. Covered with yellow foamed jacket.	12	0.12	3.4
FB18SX	18-fiber bundle design, contains polyester ripcord. Covered with yellow foamed jacket.	18	0.12	3.4
FB18SR NEW	18-fiber RAD HARD bundle design, contains polyester ripcord. Covered with yellow foamed jacket.	18	0.12	3.4

*2-, 4-, and 6-fiber bundles available in 7,000' or 14,000' reel lengths. 12- and 18-fiber bundles available in 3,500' or 7,000' reel lengths.

Tube Cables

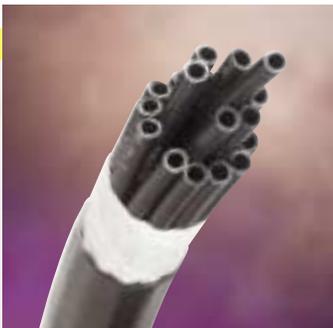
and Accessories



TC02TOX



TC04TOD



TC19MSO

Outdoor/All-Dielectric

Features

- Dry tape waterblocked cable core
- PE outer jacket
- Cable length markings at 2' intervals
- Tube ID numbers marked at 2" intervals
- Meets TIA standards

Applications

These multi-tube cables are designed for use in creating tube cable infrastructures in outdoor environments where non-conductive elements are desired or required. The TOX and TOD cables are ideal for duct installations or any dry-to-damp outdoor environment. The MSO cables incorporate SEL's new ultra high-performance tubing technology and are ideal for aerial installations.

Specifications

Property	Specification
Operation Temperature Range	-40° to +158°F
Minimum Bend Radius (During/After Installation)	20/10 x cable diameter
Standard Reel Length*	1000' (+40'/-0')

Physical Characteristics

Part Number	Description	No. of Tubes	Outside Diameter (in.)	Max. Weight (lbs./kft.)	Max. Tensile Load (lbs.)
TC02MSO NEW	Two ultra high-performance tubes wrapped with water-blocking tape and high-performance plastic jacket.	2	0.9	90	200
TC02TOX	Two tubes wrapped with water-blocking tape and polyethylene jacket.	2	0.9	90	200
TC04MSO NEW	Four ultra high-performance tubes around a jacketed fiberglass central strength member, wrapped with water-blocking tape and high-performance plastic jacket.	4	0.9	140	200 – 500*
TC04TOD	Four tubes around a jacketed fiberglass central strength member, wrapped with water-blocking tape and polyethylene jacket.	4	0.9	146	200 – 500*
TC07MSO NEW	Seven ultra high-performance tubes wrapped with water-blocking tape and high-performance plastic jacket.	7	1.1	200	400
TC07TOX	Seven tubes wrapped with water-blocking tape and polyethylene jacket.	7	1.1	205	400
TC19MSO NEW	Nineteen ultra high-performance tubes wrapped with water-blocking tape and high-performance plastic jacket.	19	1.7	440	500
TC19TOX	Nineteen tubes wrapped with water-blocking tape and polyethylene jacket.	19	1.7	444	500

*Note: Non-standard lengths can be manufactured upon request.

*Note: 200 lbs. rating with standard basket-weave grip; 500 lbs. rating with pulling eye.