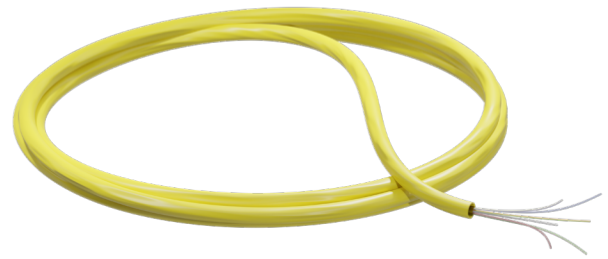


# OS2 Single-Mode Fiber Bundles

Sumitomo Electric Lightwave's OS2 Single-Mode Fiber Bundles are designed for installation into the FutureFLEX® Air-Blown Fiber® tube cable infrastructure. They can be used in indoor and outdoor installations.



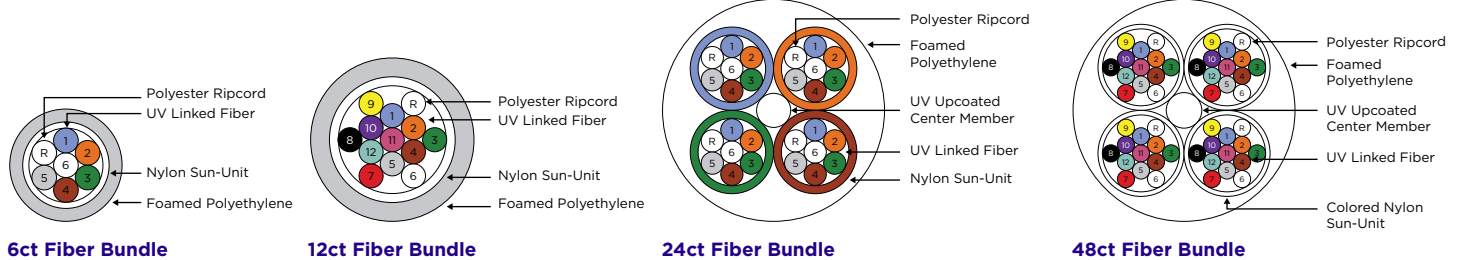
## FEATURES

- Up to 48 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

PART NUMBER	FIBER TYPE	DESCRIPTION
FB06SX	SM OS2	Single-Mode 6-Fiber
FB12SXS	SM OS2	Single-Mode 12-Fiber
FB24SX	SM OS2	Single-Mode 24-Fiber
FB48SX	SM OS2	Single-Mode 48-Fiber

## FIBER COUNTS

### Single-Fiber Bundle Series



To learn more information visit [www.SumitomoElectricLightwave.com](http://www.SumitomoElectricLightwave.com)

## SPECIFICATIONS

PROPERTY	SPECIFICATION	
Fiber Bundle Jacket Material	Polyethylene Extruded Foam (PEF)	
Fiber Bundle Jacket Color	Yellow	
Core Diameter	8.3 $\mu\text{m}$	
Cladding Diameter	125 $\mu\text{m}$	
Core / Cladding Offset	$\leq 0.4 \mu\text{m}$	
Maximum Attenuation	1310 nm	$\leq 0.40 \text{ dB/km}$
	1550 nm	$\leq 0.30 \text{ dB/km}$
Group Index of Refraction	1310 nm	1.466
	1550 nm	1.467
	1625 nm	1.47
Fiber Bundle Minimum Bend Radius	1.5 in (38.1 mm)	

## ORDERING INFORMATION

PART NUMBER	FIBER TYPE	DESCRIPTION	OUTSIDE DIAMETER		MAX WEIGHT (LBS./KFT.)	STD LENGTH (490 BOBBIN)	MAX LENGTH (600 BOBBIN)
			IN	MM			
FB06SX	SM OS2	Single-Mode 6-Fiber	0.08	2.0	1.3	40,000	40,000
FB12SXS	SM OS2	Single-Mode 12-Fiber	0.08	2.1	1.9	39,000	37,500
FB24SX	SM OS2	Single-Mode 24-Fiber	0.12	3.0	3.4	15,700	15,700
FB48SX	SM OS2	Single-Mode 48-Fiber	0.15	3.7	5.6	10,900	10,900

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