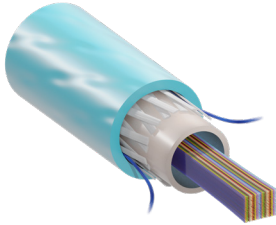


## Flexible Indoor Plenum Ribbon Cables

12-432F



### DESCRIPTION

Sumitomo Electric Lightwave's Flexible Indoor Plenum Rated Ribbon Cables are the industry's first and only with up to 432 fibers. The cables are designed for fiber density and the savings of valuable duct space, making them an ideal choice for intra-building applications. These cables feature 250 um color-code optical fibers for easy fiber identification and Sumitomo's exclusive patented Easy Split & Peel technology for easy fiber access and unprecedented ease of handling and splicing. The twelve fiber ribbon groupings

enable easy connectorization with both MPO and all industry standard connectors.

Flexible dielectric members provide mechanical durability within a flame retardant jacket, while the non preferential bend axis allows for easy installation in space-constrained areas. The all-dielectric cable construction eliminates the need for grouping or bonding. These plenum rated cables meet or exceed OFNP and CSA FT-6 approvals and listings.

For more information on this cable, or other related products, visit:  
[www.SumitomoElectric.com](http://www.SumitomoElectric.com)

### FEATURES

- 432 Fibers for High Density Applications
- Dry Central Tube Design
- Color-Coded Optical Fibers for Quick and Easy Identification
- 12-Fiber Grouping for Ease and Compatibility with Multi-Fiber Connectors
- All-Dielectric Cable Construction Requires No Grounding or Bonding
- RoHS Compliant

### SPECIFICATIONS

Property	Specification
Maximum Tensile Load During Installation	300 lbs
Maximum Recommended Service Load	100 lbs
Minimum Bend Radius (During/After Installation)	20/10 x Cable OD
Compression Resistance	220 N/cm (124 lbs/in)
Testing	OFNP / CSA FT-6 Listed
Operation Temperature Range	0 to 70°C (32 to 158°F)

### PHYSICAL CHARACTERISTICS

Fiber Count	Max. No. of Tubes	No. Fibers Per Ribbon	Cable Outer Diameter (mm) (in.)		Weight (kg/km) (lbs/kft)		Tube Entry Tool
12 to 48	1	12	10.3	0.44	187	126	UCTS-001
60 to 96	1	12	14.0	0.55	192	129	
108 to 216	1	12	16.6	0.65	257	173	
288 to 432	1	24	21.6	0.85	392	263	

### ORDERING INFORMATION

Create a Part Number by Using this Character Set & Codes

**SE - 1 RU4444 - 5**



- 1 Fiber Type\***  
1 = 50um Multimode Fiber (OM2/3/4)  
2 = 62.5um Multimode Fiber (OM1)  
8 = PureAccess G.657.A1 Bend Insensitive Single-mode Fiber
- 4 Fiber Count (4-digits)**  
Total number of fibers in the cable (0012 to 0432)
- 5 Fiber Attenuation Grades**  
B = Standard Single-mode 0.40/0.30 dB/km (1310/1550 nm)  
7 = OM3 Enhanced performance 50um MM 3.5/1.5 dB/km (850/1300nm) 10Gb  
8 = OM4 Enhanced performance 50um MM 3.5/1.5 dB/km (850/1300nm) 10Gb