

Standard Ribbon Indoor Plenum Central Tube Cables

Sumitomo Electric Lightwave's Standard Ribbon Indoor Plenum Central Tube Cables are the industry's first and only, with up to 432 fibers. The cables are designed for fiber density and the saving of valuable duct space, making them an ideal choice for intra-building applications. These cables feature 250 µm 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 12-fiber ribbon groupings enable easy connectorization with both MPO and all industry standard connectors.

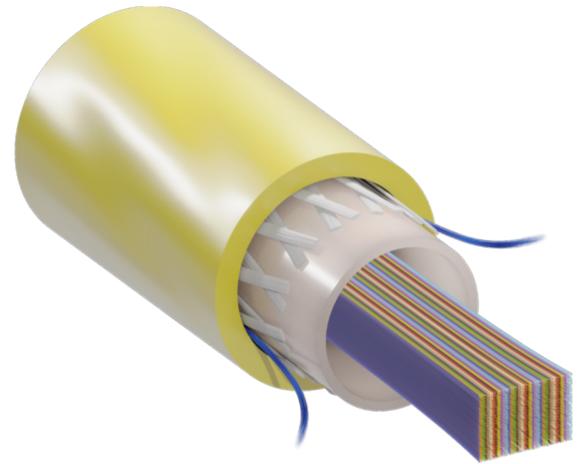
Flexible dielectric members provide mechanical durability within a flame-retardant jacket, while the non-preferential bend axis allows for easy installation in space-constrained areas. The all-dielectric cable construction eliminates the need for grounding or bonding. These plenum-rated cables meet or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

BENEFITS

- Color-Coded Optical Fibers for Quick and Easy Identification
- Robust in Indoor Environments
- All Dry Cable Construction Contains No Messy Gels, Thereby Making the Installation Faster
- RoHS Compliant

FEATURES

- Patented Peelable Ribbon Matrix Material for Easy Fiber Access
- 432 Fibers for High-Density Applications
- 12-Fiber Grouping for Ease and Compatibility with Multi-Fiber Connectors
- All-Dielectric Cable Construction Requires No Grounding or Bonding



QUICK SPECS

CABLE
STRUCTURE

**Central
Tube**

RIBBON TYPE

**Standard
Ribbon**

FIBER COUNT

12 - 432

FIBER SIZE

250 µm

GENERAL	
Application	Indoor
Cable Structure	Central Tube
Ribbon Type	Standard Ribbon
Metallic Elements	No Bonding/Grounding Required

TEMPERATURE RANGE	
Operation	+32 to +158°F (0 to +70°C)
Storage & Shipping	-40 to +158°F (-40 to +70°C)
Installation	+32 to +140°F (0 to +60°C)

MECHANICAL CHARACTERISTICS	
Max. Tensile Load During Installation	300 lb (1,340 N)
Max. Recommended Service Load	100 lb (450 N)
Compression Resistance	124 lb/in (220 N/cm)
Min. Bend Radius (During/After Installation)	20/10 x Cable O.D.

STANDARDS	
Standards	OFNP UL, FT-6/NFPA 262, ICEA 596

ORDERING INFORMATION

FIBER COUNT	NOMINAL CABLE O.D.		NOMINAL WEIGHT		FIBERS PER RIBBON
	IN	MM	LB/KFT	KG/KM	
250 μm					
12 - 48f	0.44	10.3	87.0	130.0	12f
60 - 96f	0.55	14.0	136.0	203.0	12f
108 - 216f	0.65	16.6	171.0	255.0	12f
288 - 432f	0.85	21.6	249.0	371.0	24f

Instructions: Create a part number by using this character set and codes.

SE - 1 RU 2222 - 3

1 - FIBER TYPE		2 - FIBER COUNT (4-DIGITS)		3 - FIBER ATTENUATION GRADES	
1	50μm Multi-mode Fiber (OM3/OM4)	0012	12 Fibers	B	Standard Single-Mode 0.40/0.30 dB/km (1310/1550 nm)
		0024	24 Fibers		
2	50μm Multi-Mode Fiber (OM1)	0036	36 Fibers	7	OM3 Enhanced Per Fibersormance 50μm MM (850/1300 nm) 10Gb
		0048	48 Fibers		
8	PureAccess® G.657.A1 Bend Insensitive Single-Mode Fiber	0096	96 Fibers	8	OM4 Enhanced Per Fibersormance 50μm MM (850/1300 nm) 10Gb
		0072	72 Fibers		
		0096	96 Fibers		
		0144	144 Fibers		
		0192	192 Fibers		
		0288	288 Fibers	9	OM1 Enhanced Performance 62.5μm MM (850/1300 nm) 10Gb
		0432	432 Fibers		

To learn more information visit www.SumitomoElectricLightwave.com