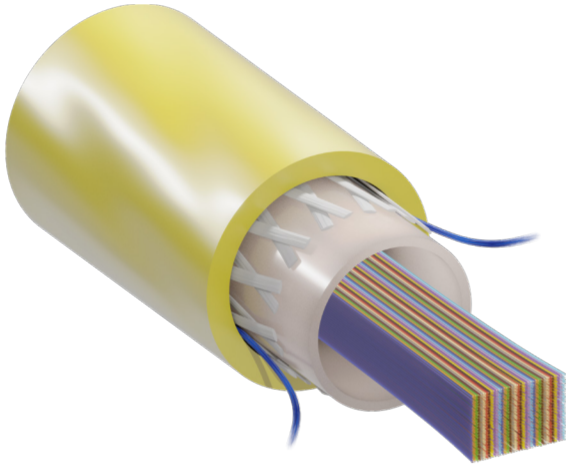
Standard Ribbon Indoor Plenum Central Tube Cables



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

To learn more information visit **www.SumitomoElectricLightwave.com**

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 OD

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

ORDERING INFORMATION

FIBER COUNT	NOMINAL CABLE OD		NOMINAL WEIGHT		FIBERS PER RIBBON
	IN	MM	LB/KFT	KG/KM	
250 µm					
12 - 48f	0.44	10.3	126.0	187.0	12f
60 - 96f	0.55	14.0	129.0	192.0	12f
108 - 216f	0.65	16.6	173.0	257.0	12f
288 - 432f	0.85	21.6	263.0	392.0	24f

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

SE - 1 RU 2222 - 3

1 - FIBER TYPE	
1	50µm Multi-mode Fiber (OM3/OM4)
8	PureAccess® G.657.A1 Bend Insensitive Single-Mode Fiber

2 - FIBER COUNT (4-DIGITS)	
0012	12f
0024	24f
0048	48f
0072	72f
0096	96f
0144	144f
0288	288f
0432	432f

3 - FIBER ATTENUATION GRADES	
B	Standard Single-Mode 0.40/0.30 dB/km (1310/1550 nm)
7	OM3 Enhanced Performance 50µm MM (850/1300 nm) 10Gb
8	OM4 Enhanced Performance 50µm MM (850/1300 nm) 10Gb