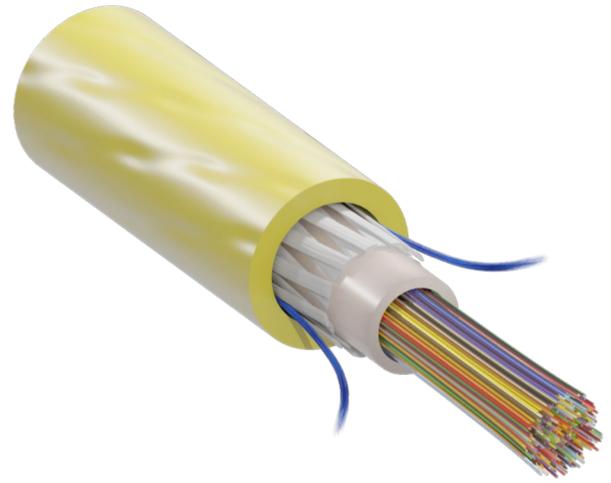


# Freeform Ribbon™ Indoor Plenum Central Tube Cables

Sumitomo Electric Lightwave's Freeform Ribbon™ Indoor Plenum Central Tube Cables feature a flame-retardant outer jacket, and the patented 12-fiber pliable Freeform Ribbon™ constructed of 250 or 200 μm color-coded optical fibers. Freeform Ribbon™ enables high fiber density within a small cable diameter, which minimizes duct space requirements. The 12-fiber ribbons may be spliced to a conventional ribbon, pliable ribbon, or non-ribbonized (single) fibers, as well as connectorization with both MPO and all industry standard connectors. The non-preferential bend axis allows for easy installation in space-constrained areas.



## BENEFITS

- Quick and Easy Fiber Identification
- Robust in Indoor Environments
- High Fiber Density Maximizes Duct Space
- Compatible with Mass- and Single-Fibe Fusion Splicers, Splice-On Connectors & Hardware

## FEATURES

- Patented Pliable Freeform Ribbon™ Color-Coded Optical Fibers
- Sumitomo Electric PureAccess® Bend Insensitive Single Mode Fiber G.657.A1
- Gel-Free
- Dry Central Tube for Easy Installation
- Plenum Rated Flame Resistance

## QUICK SPECS

CABLE  
STRUCTURE

**Central  
Tube**

RIBBON TYPE

**Freeform  
Ribbon™**

FIBER COUNT

**12 - 288**

FIBER SIZE

**250,  
200 μm**

GENERAL	
Application	Indoor
Jacket Color	Yellow
Cable Structure	Central Tube
Ribbon Type	Freeform Ribbon™

BEND RADIUS	
During Installation	20 x Cable OD
After Installation	10 x Cable OD

MECHANICAL CHARACTERISTICS	
Max. Tensile Load During Installation	300 lb (1,340 N)
Max. Recommended Service Load	100 lb (450 N)
Max. Compression Resistance	125 lb/in (220 N/cm)

FIBER		
Fiber Type	PureAccess® G.657.A1 Bend Insensitive Single-Mode Fiber	
Fiber Attenuation Grades	Standard Single-Mode	
Max. Attenuation	1310 nm	0.40 dB/km
	1550 nm	0.30 dB/km

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)

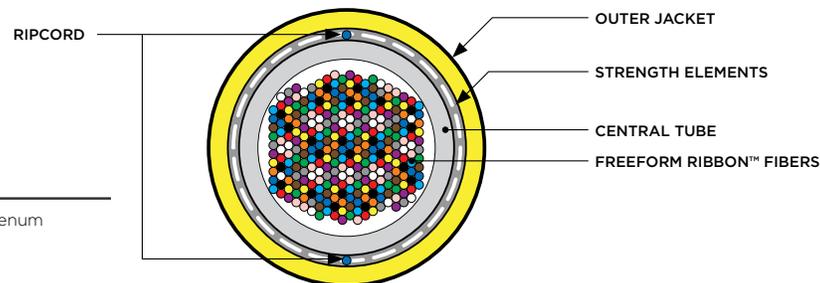
STANDARDS & COMPLIANCE	
Standards	OFNP
Regularity Compliance	RoHS, REACH, Conflict Minerals, Proposition 65

### ORDERING INFORMATION

PART NUMBER	FIBER COUNT	NOMINAL CABLE OD		NOMINAL WEIGHT		FIBERS PER RIBBON	NO. OF BUNDLES
		IN	MM	LB/KFT	KG/KM		
<b>250 µm</b>							
SE-8RUP0012-B-12	12f	0.41	10.3	85.5	127.6	12f	N/A
SE-8RUP0024-B-12	24f	0.41	10.3	86.5	128.8	12f	N/A
SE-8RUP0048-B-12	48f	0.41	10.3	88.0	131.0	12f	N/A
SE-8RUP0072-B	72f	0.43	11.0	90.9	135.3	12f	1
SE-8RUP0096-B-12	96f	0.43	11.0	92.4	137.5	12f	N/A
SE-8RUP0144-B-12	144f	0.47	12.0	102.7	152.9	12f	N/A
SE-8RUP0192-B-12	192f	0.46	11.7	98.4	146.4	12f	N/A
SE-8RUP0288-B	288f	0.57	14.4	134.2	199.7	12f	4
<b>200 µm</b>							
SE-8RUT0012-B-12	12f	0.41	10.3	85.5	127.2	12f	N/A
SE-8RUT0024-B-12	24f	0.41	10.3	86.0	128.0	12f	N/A
SE-8RUT0048-B-12	48f	0.41	10.3	87.0	129.4	12f	N/A
SE-8RUT0072-B	72f	0.43	11.0	89.3	132.9	12f	1
SE-8RUT0096-B-12	96f	0.40	10.2	76.85	114.7	12f	N/A
SE-8RUT0144-B-12	144f	0.47	12.0	99.5	148.1	12f	N/A
SE-8RUT0192-B-12	192f	0.46	11.7	94.76	141.43	12f	N/A
SE-8RUT0288-B	288f	0.57	14.4	129.1	190.0	12f	4

### CROSS SECTION

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