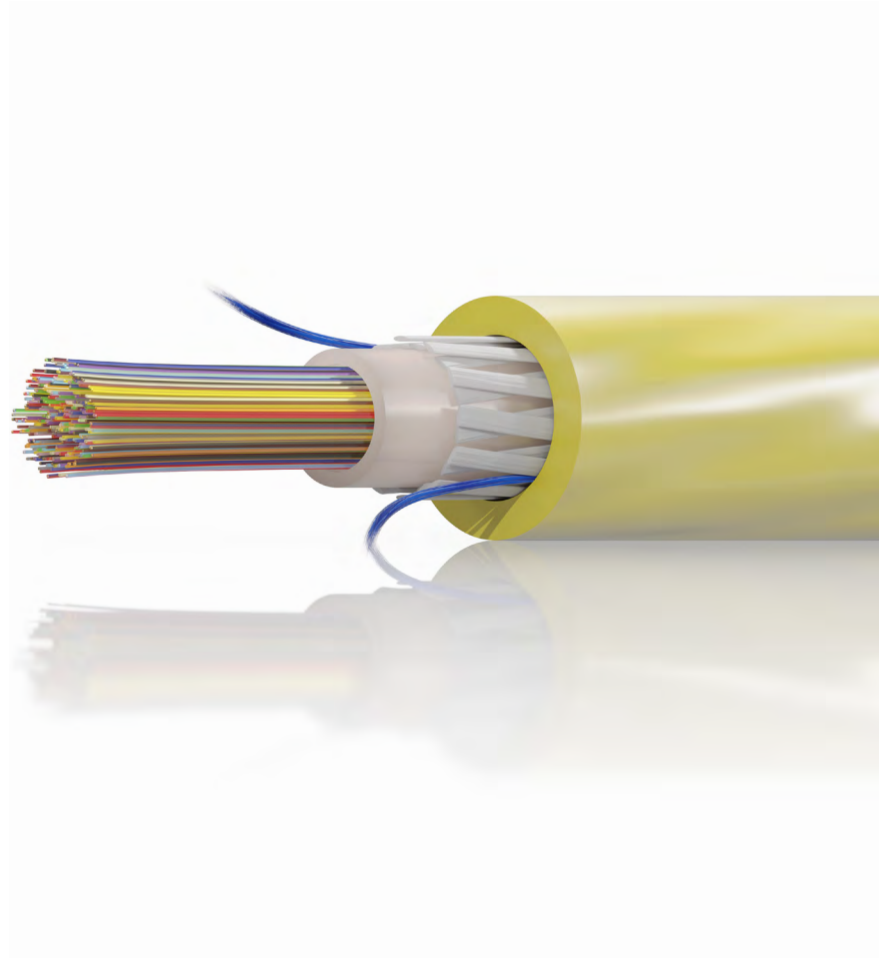


# Freeform Ribbon® Indoor Low-Smoke Halogen-Free Riser Central Tube Cables

Sumitomo Electric Lightwave's Freeform Ribbon® Indoor Low-Smoke Halogen-Free (LSHF) Riser 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. They can be connectorized with both MPO and all industry-standard connectors. The non-preferential bend axis allows for easy installation in space-constrained areas. In addition, this cable is designed for areas that require LSHF such as subways systems and tunnels.



## FEATURES

- Patented Pliable Freeform Ribbon® Color-Coded Optical Fibers
- PureAccess® Bend Insensitive Single Mode Fiber G.657.A1
- Gel-Free
- Dry Central Tube for Easy Installation
- Flame-Resistant and Halogen-Free Rated Riser

## BENEFITS

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

## QUICK SPECS

**Central Tube**  
CABLE STRUCTURE

**Freeform Ribbon®**  
RIBBON TYPE

**72 - 864**  
FIBER COUNT

**250, 200 µm**  
FIBER SIZE

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

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

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

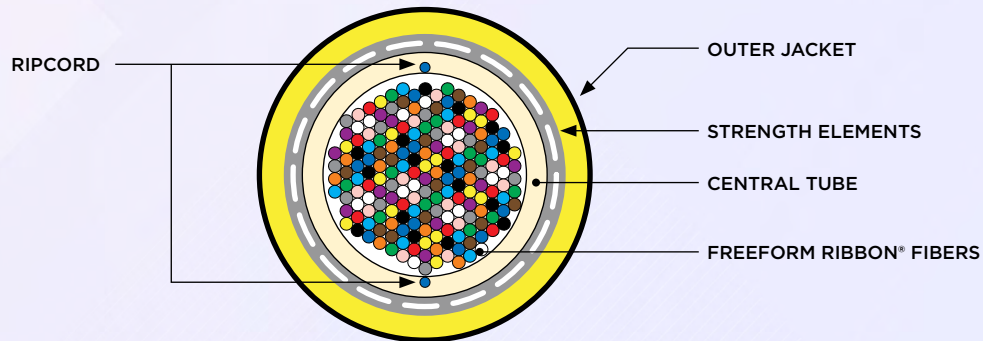
MECHANICAL CHARACTERISTICS	
Max. Tensile Load During Installation	150 lb (660 N)
Max. Recommended Service Load	45 lb (200 N)
Compression Resistance	125 lb/in (220 N/cm)

TEMPERATURE RANGE	
Operation	-4 to +158°F (-20 to +70°C)
Storage & Shipping	-40 to +158°F (-40 to +70°C)
Installation	+14 to +140°F (-10 to +60°C)

STANDARDS & COMPLIANCE	
Standards	OFNR, FT4, HF, Low Smoke/ST-1
Regularity Compliance & Certifications	RoHS, REACH, Conflict Minerals, Proposition 65

### ORDERING INFORMATION

PART NUMBER	FIBER COUNT	NOMINAL CENTRAL TUBE OD		NOMINAL CABLE OD		NOMINAL WEIGHT		FIBERS PER RIBBON	NO. OF BUNDLES	CPR RATING
		IN	MM	IN	MM	LB/KFT	KG/KM			
<b>250 µm</b>										
SE-8RZP0072-B-12	72f	0.27	6.8	0.46	11.8	98.5	146.5	n/a	n/a	n/a
SE-8RNP0096-B-12	96f	0.27	6.8	0.46	11.8	100.1	148.9	n/a	n/a	B2ca, s1a, d1, a1
SE-8RZP0144-B-12	144f	0.36	9.2	0.57	14.4	129.1	192.1	n/a	n/a	n/a
SE-8RNP0192-B-12	192f	0.36	9.2	0.57	14.4	132.3	196.9	n/a	n/a	B2ca, s1a, d0, a1
<b>200 µm</b>										
SE-8RZT864-B	864f	0.62	15.6	0.86	21.8	268.4	399.4	72f	12	n/a



### CROSS SECTION

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For more information, visit [www.SumitomoElectricLightwave.com](http://www.SumitomoElectricLightwave.com)