

Freeform Ribbon™ Indoor LSZH Riser Central Tube Cables

Sumitomo Electric Lightwave's (SEL) Freeform Ribbon™ Indoor Low Smoke Zero Halogen (LSZH) Riser Central Tube Cable features a flame-retardant outer jacket and the patented 12-fiber pliable Freeform Ribbon™ constructed of 250 or 200µm color-coded optical fibers.

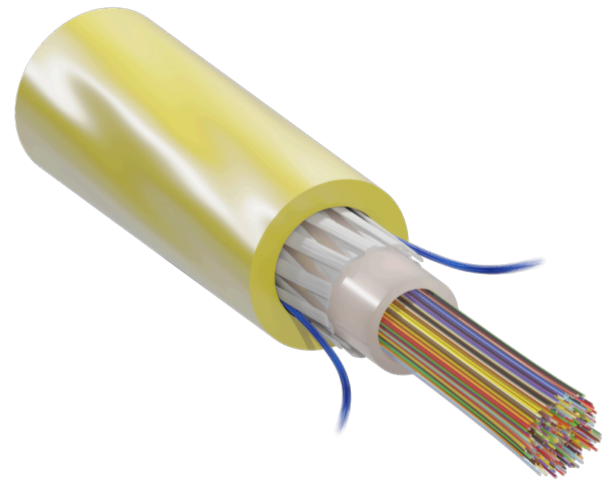
Freeform Ribbon™ enables high fiber density within a small cable diameter which in turn helps with limited duct space. The 12-fiber ribbons may be spliced to a conventional ribbon, pliable ribbon, or non ribbonized (single) fibers, as well as connectorization with both MPO and all industry standard connectors. The non-preferential bend axis allows for easy installation in space-constrained areas. In addition, this cable is designed for areas that require LSZH, such as subway systems and tunnels.

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

FEATURES

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



QUICK SPECS

CABLE
STRUCTURE

**Central
Tube**

RIBBON
TYPE

**Freeform
Ribbon™**

FIBER COUNT

72 - 864

FIBER SIZE

**250,
200 µm**

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	
Max. Attenuation	1310 nm	0.40 dB/km
	1550 nm	0.30 dB/km

BEND RADIUS	
During Installation (Dynamic)	20 x Cable OD
After Installation (Static)	10 x Cable OD

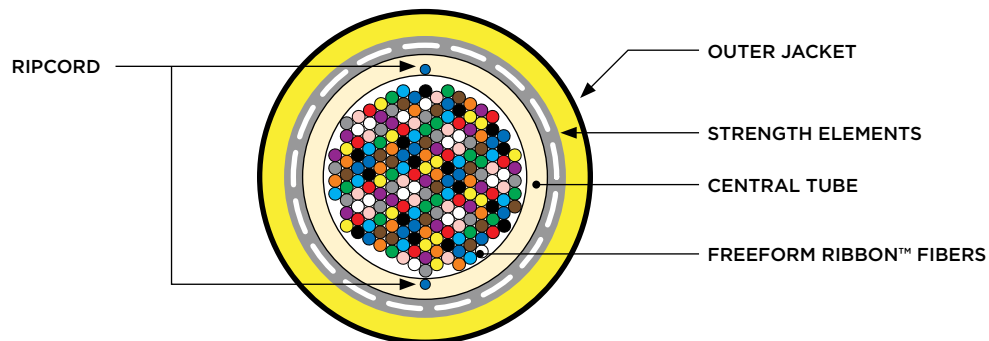
MECHANICAL CHARACTERISTICS	
Max. Tensile Load (During Installation)	300 lb (1,340 N)
Max. Recommended Service Load	100 lb (450 N)
Max. Compression Resistance	125 lb/in (220 N/cm)

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	
Standards	OFNR, FT4, Low Smoke/ST-1

ORDERING INFORMATION

PART NUMBER	FIBER COUNT	NOMINAL CABLE OD		NOMINAL WEIGHT		FIBERS PER RIBBON	NO. OF BUNDLES	CPR RATING
		IN	MM	LBS/KFT	KG/KM			
250 μm								
SE-8RZP0072-B-12	72f	0.46	11.8	98.5	146.5	12f	N/A	N/A
SE-8RNP0096-B-12	96f	0.46	11.8	100.1	148.9	12f	N/A	Cca, s1a, d0, a1
SE-8RZP0144-B-12	144f	0.57	14.4	129.1	192.1	12f	N/A	N/A
SE-8RNP0192-B-12	192f	0.57	14.4	132.3	196.9	12f	N/A	Cca, s1a, d0, a1
200 μm								
SE-8RZT864-B	864f	0.86	21.8	268.4	399.4	12f	12	N/A



CROSS SECTION

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To learn more information visit www.SumitomoElectricLightwave.com