

Freeform Ribbon™ Outdoor/Indoor LSHF Riser Central Tube Cables

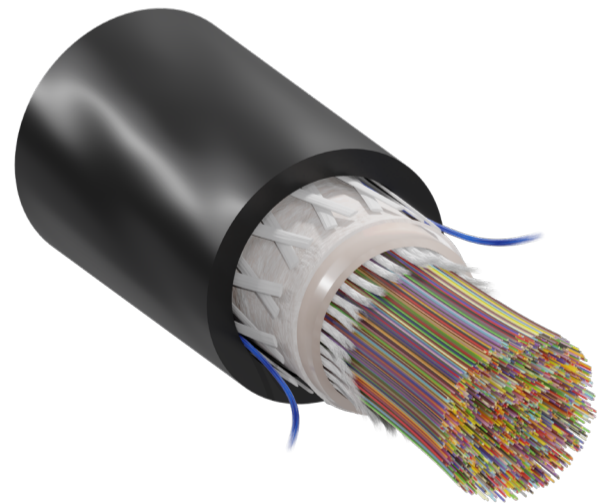
Sumitomo Electric Lightwave's Freeform Ribbon™ Outdoor/Indoor Low Smoke Halogen-Free (LSHF) Riser Central Tube Cables feature a flame-retardant outer jacket, and the patented 12-fiber pliable Freeform Ribbon™ constructed of 250 or 200 μm color-coded optical fibers. The all-dielectric cable construction requires no grounding or bonding. 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. In addition, this cable is designed for areas that require Low Smoke and Zero Halogen such as Subways systems and Tunnels.

BENEFITS

- Compatible With SEL's Fusion Splicers, Splice-on Connectors and Hardware
- Color-Coded Optical Fibers for Quick and Easy Identification
- High Fiber Density Maximizes Duct Space

FEATURES

- Patented Pliable Freeform Ribbon™ Color-Coded Optical Fibers
- PureAccess® Bend Insensitive Single Mode Fiber G.657.A1
- Dry Central Tube Design for Easy Installation; No Mess When Splicing
- RoHS Compliant
- Flame Retardant, Halogen Free and UV-Resistant Outer Jacket
- Cable is Designed to Be Mechanically Deterrent to Rodents



QUICK SPECS

CABLE
STRUCTURE

**Central
Core**

RIBBON TYPE

**Freeform
Ribbon™**

FIBER COUNT

12 - 1,728

FIBER SIZE

**250,
200 μm**

GENERAL	
Application	Outside Plant
Jacket Color	Black PE
Cable Structure	Central Tube
Ribbon Type	Freeform Ribbon™

MECHANICAL CHARACTERISTICS	
Max. Tensile Load During Installation	600 lb (2,670 N)
Max. Recommended Service Load	200 lb (890 N)
Compression Resistance	124 lb/in (220 N/cm)

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

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

TEMPERATURE RANGE	
Operation	-40 to +158°F (-40 to +70°C)
Storage & Shipping	-40 to +158°F (-40 to +70°C)
Installation	-22 to +140°F (-30 to +60°C)

STANDARDS & COMPLIANCE	
Standards	OFNR, FT4, HF, Low Smoke/ST-1, NFPA 130

ORDERING INFORMATION

PART NUMBER	FIBER COUNT	NOMINAL CABLE OD		NOMINAL WEIGHT		FIBERS PER RIBBON	NO. OF BUNDLES	CPR RATING
		IN	MM	LB/KFT	KG/KM			
250µm								
SE-8RSP0012-B-12	12f	0.44	11.3	95.0	141.4	12f	N/A	N/A
SE-8RSP0024-B-12	24f	0.44	11.3	95.8	142.6	12f	N/A	N/A
SE-8RSP0036-B-12	36f	0.44	11.3	96.6	143.7	12f	N/A	N/A
SE-8RMP0048-B-12	48f	0.44	11.3	97.3	144.8	12f	N/A	Cca, s1a, d2, a1
SE-8RSP0072-B	72f	0.56	14.1	137.8	205.1	12f	1	N/A
SE-8RSP0096-B-12	96f	0.56	14.1	137.1	204.0	12f	N/A	N/A
SE-8RSP0144-B	144f	0.56	14.1	142.4	211.9	12f	2	N/A
SE-8RSP0192-B-12	192f	0.67	17.0	164.5	244.8	12f	N/A	N/A
SE-8RMP0288-B	288f	0.67	17.0	174.7	260.0	12f	4	Cca, s1b, d0, a1
SE-8RSP0432-B	432f	0.73	18.5	202.3	301.1	12f	6	N/A
SE-8RSP0576-B	576f	0.95	24.2	329.3	490.1	12f	8	N/A
SE-8RSP0864-B	864f	0.95	24.2	347.6	517.3	12f	12	N/A
SE-8RMP1152-B	1,152f	1.06	26.8	434.1	646.0	12f	16	B2ca, s1b, d0, a1
SE-8RMP1728-B	1,728f	1.13	28.6	505.3	752.0	12f	24	B2ca, s2, d0, a1
200µm								
SE-8RST0012-B-12	12f	0.44	11.3	95.8	141.0	12f	N/A	N/A
SE-8RST0024-B-12	24f	0.44	11.3	95.3	141.8	12f	N/A	N/A
SE-8RST0036-B-12	36f	0.44	11.3	96.9	142.5	12f	N/A	N/A
SE-8RST0072-B	72f	0.56	14.1	137.6	202.5	12f	1	N/A
SE-8RST0144-B	144f	0.56	14.1	138.8	206.6	12f	2	N/A
SE-8RMT0288-B	288f	0.67	17.0	167.8	249.8	12f	4	Cca, s1b, d0, a1
SE-8RST0432-B	432f	0.73	18.5	191.7	285.3	12f	6	N/A
SE-8RST0864-B	864f	0.95	24.2	326.4	485.7	12f	12	N/A
SE-8RMT1728-B	1,728f	1.13	28.6	464.2	689.8	12f	24	B2ca, s2, d0, a1

To learn more information visit www.SumitomoElectricLightwave.com