

Freeform Ribbon™ Outdoor/Indoor LSZH Riser Central Tube Cables

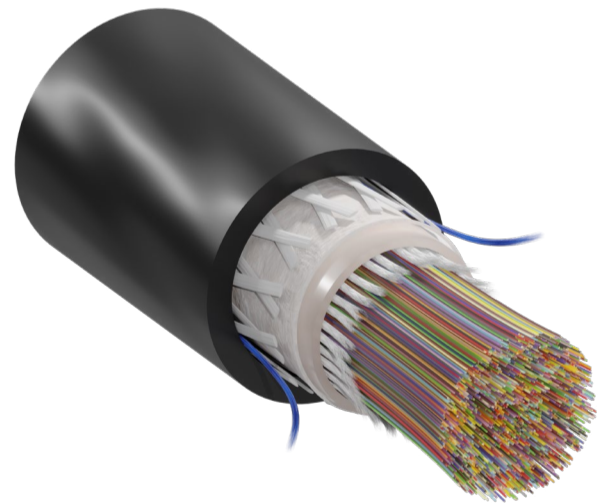
Sumitomo Electric Lightwave's Freeform Ribbon™ Outdoor/Indoor Low Smoke Zero Halogen (LSZH) Riser Central Tube Cables feature a flame-retardant outer jacket, and the patented 12-fiber pliable Freeform Ribbon™ constructed of 250 or 200 μm color-coded optical fibers. The all-dielectric cable construction 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 LSZH such as subway systems and tunnels.

BENEFITS

- Compatible with Mass- & Single-Fiber Fusion Splicers, Splice-On Connectors, and Hardware
- Color-Coded Optical Fibers for Quick and Easy Identification
- High Fiber Density Maximizes Duct Space
- Pliable Ribbon Allows for Higher Density in Space-Constrained Applications

FEATURES

- Patented Pliable Freeform Ribbon™ Color-Coded Optical Fibers
- SEL's PureAccess G.657.A1 Bend Insensitive Single-Mode Fiber
- Dry Central Tube Design for Easy Installation; No Mess When Splicing
- RoHS Compliant
- Flame-Retardant, Zero Halogen, 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 - 3,456

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	180 lb (800 N)
Max. Compression Resistance	124 lb/in (220 N/cm)

BEND RADIUS	
During Installation	20 x Cable O.D.
After Installation	10 x Cable O.D.

FIBER		
Fiber Type	PureAccess® G.657.A1 Bend Insensitive Single-Mode Fiber	
Fiber Attenuation Grades	Standard Single-Mode	
Maximum 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	
Standards	OFNR, FT4, Low Smoke/ST-1, NFPA 130

ORDERING INFORMATION

PART NUMBER	FIBER COUNT	NOMINAL CABLE O.D.		NOMINAL WEIGHT		FIBERS PER RIBBON	NO. OF BUNDLES	CPR RATING
		IN	MM	LB/KFT	KG/KM			
250µm								
SE-8RMP0012-B-12	12f	0.44	11.3	83.9	125.2	12f	N/A	Cca, s1b, d2, a1
SE-8RMP0024-B-12	24f	0.44	11.3	84.4	126.0	12f	N/A	Cca, s1b, d2, a1
SE-8RMP0036-B-12	36f	0.44	11.3	84.9	126.7	12f	N/A	Cca, s1b, d2, a1
SE-8RMP0048-B-12	48f	0.44	11.3	85.4	127.4	12f	N/A	Cca, s1a, d1, a1
SE-8RMP0072-B	72f	0.56	14.1	102.0	152.3	12f	1	Cca, s1b, d2, a1
SE-8RMP0096-B-12	96f	0.56	14.1	123.3	184.0	12f	N/A	Cca, s1b, d2, a1
SE-8RMP0144-B	144f	0.56	14.1	132.3	197.5	12f	2	Cca, s1b, d2, a1
SE-8RMP0192-B-12	192f	0.67	17.0	170.9	255.0	12f	N/A	B2ca, s1a, d0, a1
SE-8RMP0216-B	216f	0.67	17.0	171.4	255.8	12f	N/A	Cca, s1b, d2, a1
SE-8RMP0288-B	288f	0.67	17.0	174.7	260.0	12f	4	Cca, s1b, d0, a1
SE-8RMP0432-B	432f	0.73	18.5	201.7	301.0	12f	6	Cca, s1b, d0, a1
SE-8RMP0576-B	576f	0.95	24.2	326.5	487.3	12f	8	Cca, s1b, d2, a1
SE-8RMP0864-B	864f	0.95	24.2	337.6	503.9	12f	12	Cca, s1b, d2, a1
SE-8RMP1152-B	1,152f	1.06	26.8	409.5	610.7	12f	16	Cca, s1b, d2, a1
SE-8RMP1728-B	1,728f	1.13	28.6	449.3	670.6	12f	24	B2ca, s2, d0, a1

To learn more information visit www.SumitomoElectricLightwave.com

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		IN	MM	LB/KFT	KG/KM			
200µm								
SE-8RMT0012-B-12	12f	0.44	11.3	84.2	125.3	12f	N/A	Cca, s1b, d2, a1
SE-8RMT0024-B-12	24f	0.44	11.3	84.4	126.0	12f	N/A	Cca, s1b, d2, a1
SE-8RMT0036-B-12	36f	0.44	11.3	85.0	126.8	12f	N/A	Cca, s1b, d2, a1
SE-8RMT0048-B-12	48f	0.44	11.3	85.4	127.5	12f	N/A	Cca, s1a, d1, a1
SE-8RMT0072-B	72f	0.56	14.1	101.6	151.6	12f	1	Cca, s1b, d2, a1
SE-8RMT0144-B	144f	0.56	14.1	132.4	197.6	12f	2	B2ca, s1a, d0, a1
SE-8RMT0216-B	216f	0.60	15.3	154.6	230.8	12f	3	Cca, s1b, d2, a1
SE-8RMT0288-B	288f	0.67	17.0	157.5	235.0	12f	4	Cca, s1b, d0, a1
SE-8RMT0432-B	432f	0.73	18.5	202.1	301.7	12f	6	Cca, s1b, d0, a1
SE-8RMT0864-B	864f	0.95	24.2	343.2	512.3	12f	12	Cca, s1b, d2, a1
SE-8RMT1728-B	1,728f	1.13	28.6	408.5	609.7	12f	24	B2ca, s2, d0, a1
SE-8RMT2880-B	2,880f	1.30	32.7	606.2	904.7	12f	20	B2ca, s2, d0, a1
SE-8RMT3456-B	3,456f	1.30	32.7	628.6	938.2	12f	24	B2ca, s2, d0, a1

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