

Freeform Ribbon™ Indoor/Outdoor LSHF Riser Central Tube Cables

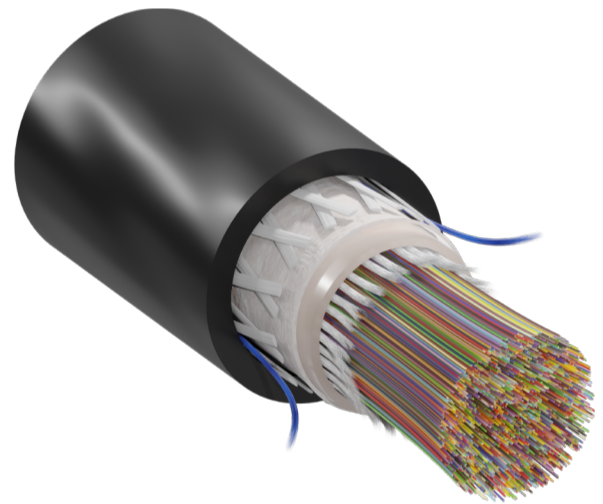
Sumitomo Electric Lightwave's Freeform Ribbon™ Indoor/Outdoor Low Smoke Halogen-Free (LSHF) Riser Central Tube Cables feature a flame-retardant outer jacket, and the patented 12-fiber pliable Freeform Ribbon™ is constructed of 250 or 200 μm color-coded optical fibers. Freeform Ribbon™ enables high-fiber density within a small cable diameter which minimizes duct space requirements. The 12-fiber ribbons may be spliced to connectorized 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 subway systems and tunnels.

BENEFITS

- Quick and Easy Fiber Identification
- Robust in Indoor and Outdoor Environments
- High-Fiber Density Maximizes Duct Space
- Compatible with Mass- and Single-Fiber Fusion Splicers, Splice-On Connectors, & Hardware
- Eliminates Switching from OSP to ISP cables
- Complies with Current European Market CPR

FEATURES

- Patented Pliable Freeform Ribbon™ Color-Coded Optical Fibers
- Sumitomo Electric Lightwave PureAccess® Bend-Insensitive Single-Mode Fiber G.657.A1
- Gel-Free Water Blocking Tape & Yarn
- Dry Central Tube for Easy Installation
- Flame-Retardant, Halogen-Free, and UV-Resistant Outer Jacket



QUICK SPECS

CABLE
STRUCTURE

**Central
Tube**

RIBBON TYPE

**Freeform
Ribbon™**

FIBER COUNT

864f

FIBER SIZE

**250,
200 μm**

GENERAL	
Application	Indoor
Jacket Color	Black, Yellow (On Request Only)
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	600 lb (2,670 N)
Max. Recommended Service Load	180 lb (800 N)
Compression Resistance	125 lb/in (220 N/cm)

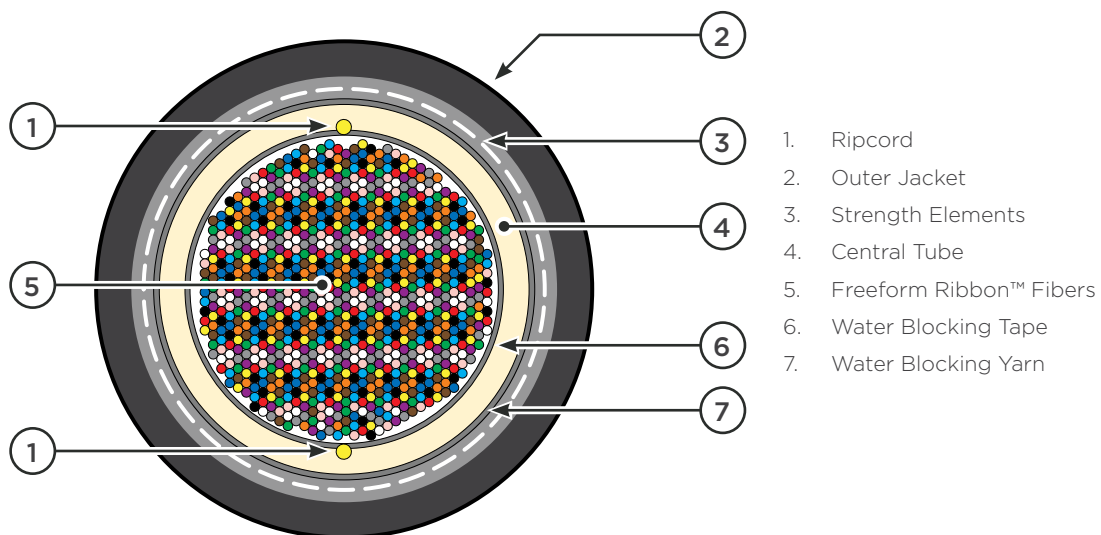
TEMPERATURE RANGE	
Operation	-40 to +158°F (-40 to +70°C)
Storage & Shipping	-40 to +158°F (-40 to +70°C)
Installation	+14 to +140°F (-10 to +60°C)

STANDARDS & COMPLIANCE	
Standards	OFNR, FT4, HF, Low-Smoke/ST-1
Regularity Compliance	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			
250 µm										
SE-8RJP0864-B	864f	0.61	15.6	0.86	21.8	289.7	431.1	72f	12	Cca, s1b, d0, a1
200 µm										
SE-8RJT0864-B	864f	0.61	15.6	0.86	21.8	271.5	399.4	72f	12	Cca, s1b, d0, a1

CROSS SECTION



To learn more information visit www.SumitomoElectricLightwave.com