

# Freeform Ribbon™ Outdoor/Indoor OFNR LSHF Central Tube Cable

Sumitomo Electric Lightwave's Freeform Ribbon™ Outdoor/Indoor Optical Fiber Nonconductive Riser (OFNR) Low Smoke Halogen-Free (LSHF) Central Tube Cable feature a flame-retardant outer jacket and 12-fiber pliable ribbons constructed of 200µm color-coded optical fibers for easy fiber identification. The all-dielectric cable construction requires no grounding or bonding.

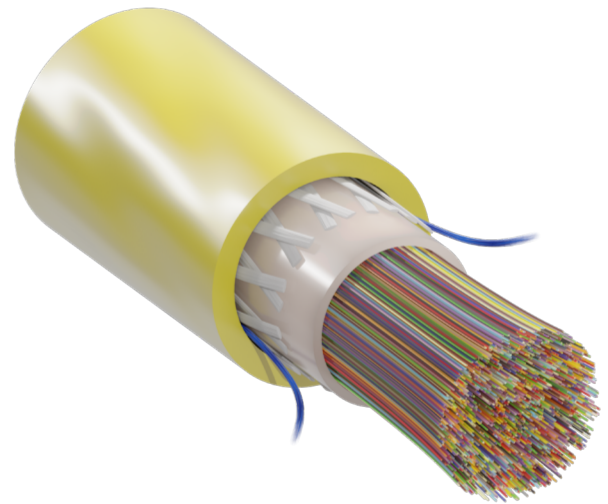
Freeform Ribbon™ enables high fiber density within a small cable diameter which in turn helps with limited duct space. The 12-fiber ribbons may be spliced to a conventional ribbon, pliable ribbon, or non-ribbonized (single) fibers, as well as connectorization with both MPO and all industry standard connectors.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

## BENEFITS

- Compatible With Mass And Single Fiber Fusion Splicers, Splice-On Connectors & Hardware
- Color-Coded Optical Fibers for Quick and Easy Identification
- Pliable Ribbon Allows for Higher Density in Space-Constrained Applications
- Robust in Outdoor/Indoor Environments

## 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
- Flame-Retardant, Halogen-Free, And UV-Resistant Outer Jacket
- Gel-Free, Water-Blocking Tape & Yarn



## QUICK SPECS

CABLE  
STRUCTURE

**Central  
Tube**

RIBBON TYPE

**Freeform  
Ribbon™**

FIBER COUNT

**3,456f**

FIBER SIZE

**200 µm**

GENERAL	
Application	Outdoor/Indoor
Jacket Color	Yellow
Cable Structure	Central Tube
Ribbon Type	Freeform Ribbon™
Metallic Elements	No Bonding/Grounding Required

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 (2,700 N)
Max. Recommended Service Load	200 lb (890 N)
Compression Resistance	124 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	+32 to +140°F (-0 to +60°C)

STANDARDS & COMPLIANCE	
Standards	OFNR, FT-4/UL 1666, ICEA 696, UL1685-LS
Regularity Compliance	RoHS, REACH, Conflict Minerals, Proposition 65

## ORDERING INFORMATION

PART NUMBER	FIBER COUNT	NOMINAL CABLE OD		NOMINAL WEIGHT		FIBERS PER RIBBON	NO. OF BUNDLES
		IN	MM	LB/KFT	KG/KM		
<b>200µm</b>							
SE-8RST3456-B	3,456f	1.29	32.7	370.0	550.0	12f	24

To learn more information visit [www.SumitomoElectricLightwave.com](http://www.SumitomoElectricLightwave.com)