

Freeform Ribbon™ Outdoor/Indoor LSZH Riser Monotube Cable



Sumitomo Electric Lightwave's (SEL) Freeform Ribbon™ Outdoor/Indoor Low Smoke Zero Halogen (LSZH) Riser Monotube Cable is intended for duct and direct buried installation, and features the patented 12-fiber pliable Freeform Ribbon™ constructed of 250µm 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.

BENEFITS

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

FEATURES

- Patented Pliable Freeform Ribbon™ Color-Coded Optical Fibers
- PureAccess® G.657.A1 Bend Insensitive Single-Mode Fiber
- Robust in Outdoor/Indoor Riser Environments
- Gel-Free, Water-Blocking Tape
- Meets the Riser Cable Requirements of ICEA 696
- Tested Per Applicable Requirements of Telcordia GR-20

QUICK SPECS

CABLE
STRUCTURE

Monotube

RIBBON TYPE

**Freeform
Ribbon™**

FIBER COUNT

288f

FIBER SIZE

250µm

GENERAL	
Application	Outdoor/Indoor
Jacket Color	Black
Cable Structure	Monotube
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	
Max. Attenuation	1310 nm	0.40 dB/km
	1550 nm	0.30 dB/km
Mode Field Diameter	1310 nm	8.6 μm ± 0.4 μm

BEND RADIUS	
During Installation (Dynamic)	40 x Cable OD
After Installation (Static)	30 x Cable OD

MECHANICAL CHARACTERISTICS	
Max. Tensile Load (During Installation)	600 lb (2,670 N)
Max. Recommended Service Load	200 lb (890 N)
Max. 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	+14 to +140°F (-10 to +60°C)

STANDARDS & COMPLIANCE	
Standards	OFNR, UL 1666, 1685-LS, ICEA 696
Regulatory Compliance	RoHS, REACH, Conflict Minerals, Proposition 65

ORDERING INFORMATION

PART NUMBER	FIBER COUNT	NOMINAL CABLE OD		NOMINAL WEIGHT		FIBERS PER RIBBON	FIBERS PER BUNDLE	CPR RATING
		IN	MM	LBS/KFT	KG/KM			
250 μm								
SE-8MMP0288-B	288f	0.57	14.5	146.0	218.0	12f	72f	Cca, s1a, d2, a1

To learn more information visit www.SumitomoElectricLightwave.com