

Freeform Ribbon™ Outdoor/Indoor LSZH Riser Monotube Cable (250µm)



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 250 µm 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 and 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

250 µm

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 ± 0.4 μm

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)

BEND RADIUS	
During Installation (Dynamic)	20 x Cable O.D.
After Installation (Static)	15 x Cable O.D.

STANDARDS	
Standards	OFNR, FT4/UL 1666, 1685-LS, ICEA 696

ORDERING INFORMATION

PART NUMBER	FIBER COUNT	NOMINAL CABLE O.D.		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