

## Freeform Ribbon™ Outdoor/Indoor Plenum Central Tube Cable

Sumitomo Electric Lightwave's Freeform Ribbon™ Outdoor/Indoor Plenum Central Tube Cable is intended for outdoor and indoor plenum installations and features a flame-retardant outer jacket and the patented 12-fiber pliable Freeform Ribbon™ constructed of 250 μm color-coded optical fibers. The cable meets NFPA 262 and CSA FT6 specifications.

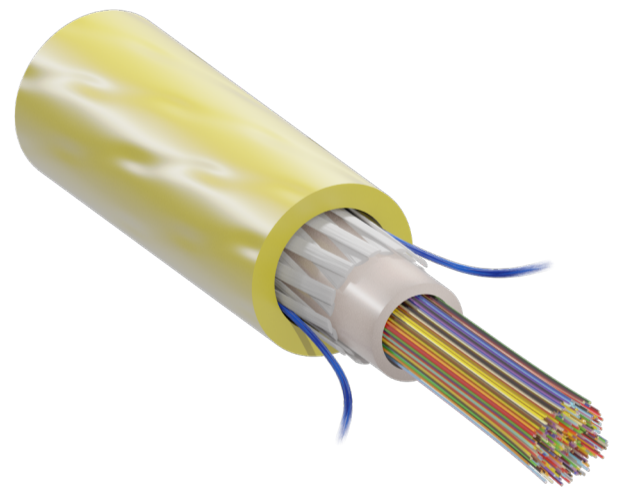
Freeform Ribbon™ enables high-fiber density within a small cable diameter which in turn helps with limited duct space. The 12-fiber ribbons may be spliced to a conventional ribbon, pliable ribbon, or non-ribbonized (single) fibers, as well as connectorization with both MPO and all industry standard connectors.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

### BENEFITS

- Quick And Easy Fiber Identification
- Color-Coded Optical Fibers for Quick and Easy Identification
- Robust in Indoor and Outdoor Plenum Environments
- High Fiber Density Maximizes Duct Space
- Compatible With Mass And Single Fiber Fusion Splicers, Splice-On Connectors & Hardware

### FEATURES

- Patented Pliable Freeform Ribbon™ Color-Coded Optical Fibers
- Sumitomo Electric PureAccess® Bend Insensitive Single Mode Fiber G.657.A1
- Gel-Free, Water-Blocking Tape & Yarn
- Flame-Retardant Outer Jacket
- Dry Central Tube For Easy Installation; No Mess When Splicing
- RoHS Compliant



### QUICK SPECS

CABLE  
STRUCTURE

**Central  
Tube**

RIBBON TYPE

**Freeform  
Ribbon™**

FIBER COUNT

**144**

FIBER SIZE

**250 μm**

GENERAL	
Application	Outdoor/Indoor
Jacket Color	Yellow
Cable Structure	Central Tube
Ribbon Type	Freeform Ribbon™
Metallic Elements	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

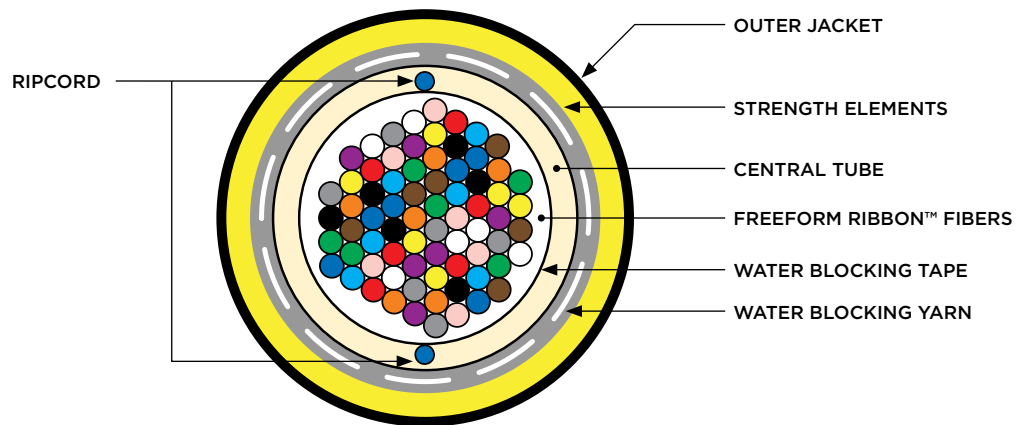
MECHANICAL CHARACTERISTICS	
Max. Tensile Load During Installation	600 lb (2,670 N)
Max. Recommended Service Load	200 lb (890 N)
Compression Resistance	124 lb/in (220 N/cm)

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

STANDARDS & COMPLIANCE	
Standards	OFNP, CSA FT6 Listed, ICEA 596
Regularity Compliance	RoHS, REACH, Conflict Minerals, Proposition 65

## ORDERING INFORMATION

PART NUMBER	FIBER COUNT	NOMINAL CABLE OD		NOMINAL WEIGHT		FIBERS PER BUNDLE	NO. OF BUNDLES
		IN	MM	LB/KFT	KG/KM		
<b>250µm</b>							
SE-8RYP0144-B	144f	0.56	14.3	141.0	210.1	72f	2



**CROSS SECTION**  
Freeform Ribbon™  
Outdoor/Indoor Plenum Cable

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