

Freeform Ribbon™ Interlocking Armored Indoor Riser Central Tube Cables

Sumitomo Electric Lightwave's (SEL) Freeform Ribbon™ Interlocking Armored Indoor Riser Central Tube Cables feature a flame-retardant outer jacket, an interlocking armor that adds protection against crushing forces, and the patented 12-fiber pliable Freeform Ribbon™ constructed of 250 µm color-coded optical fibers.

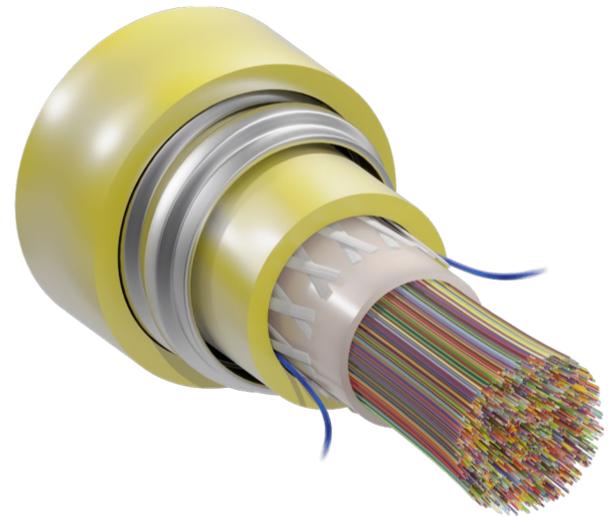
Freeform Ribbon™ enables high fiber density within a small cable diameter which minimizes duct space requirements. The 12-fiber ribbons may be spliced to a conventional ribbon, pliable ribbon, or non-ribbonized (single) fibers, as well as connectorization with both MPO and all industry standard connectors.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

BENEFITS

- Quick and Easy Fiber Identification
- Robust in Indoor Environments
- High Fiber Density Maximizes Duct Space
- Compatible with Mass and Single Fiber Fusion Splicers, Splice-On Connectors and Hardware
- Armor Adds Additional Protection

FEATURES

- Patented Pliable Freeform Ribbon™ Color-Coded Optical Fibers
- SEL's PureAccess® G.657.A1 Bend Insensitive Single-Mode Fiber
- Gel-Free
- Dry Central Tube for Easy Installation
- Riser Rated Flame Resistance



QUICK SPECS

CABLE
STRUCTURE

**Central
Tube**

RIBBON TYPE

**Freeform
Ribbon™**

FIBER COUNT

1,728

FIBER SIZE

250 µm

GENERAL	
Application	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	
Maximum Attenuation	1310 nm	0.40 dB/km
	1550 nm	0.30 dB/km

BEND RADIUS	
During Installation (Dynamic)	20 x Cable O.D.
After Installation (Static)	10 x Cable O.D.

MECHANICAL CHARACTERISTICS	
Max. Tensile Load (During Installation)	600 lb (2,700 N)
Max. Recommended Service Load	200 lb (890 N)
Max. Compression Resistance	124 lb/in (220 N/cm)

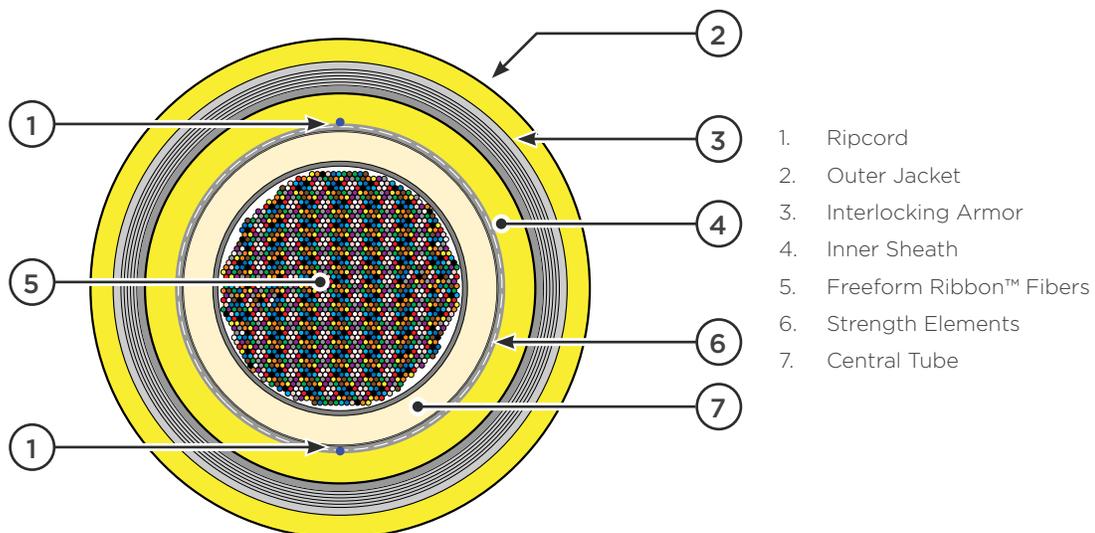
TEMPERATURE RANGE	
Operation	-4 to +158°F (-20 to +70°C)
Storage & Shipping	-40 to +158°F (-40 to +70°C)
Installation	+14 to +140°F (-10 to +60°C)

STANDARDS	
Standards	OFCR, FT-4/UL 1666

ORDERING INFORMATION

PART NUMBER	FIBER COUNT	NOMINAL CABLE O.D.		NOMINAL ARMOR CABLE O.D.		NOMINAL WEIGHT		FIBERS PER RIBBON	NO. OF BUNDLES
		IN	MM	IN	MM	LB/KFT	KG/KM		
250 μm									
SE-8RLP1728-B	1,728f	1.01	25.6	1.51	38.4	674.0	1,003.0	12f	24

CROSS SECTION



To learn more information visit www.SumitomoElectricLightwave.com