

# Freeform Ribbon™ Interlocking Armored Indoor Riser Central Tube Cables

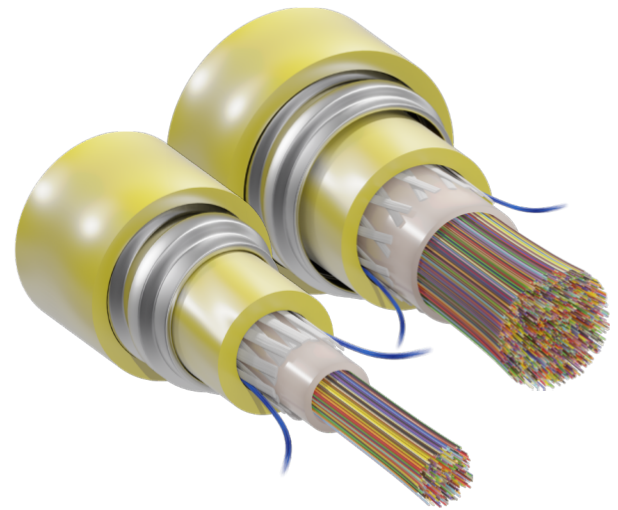
Sumitomo Electric Lightwave's Freeform Ribbon™ Interlocking Armored Indoor Riser Central Tube Cables feature a flame retardant outer jacket, an interlocking armor which adds protection against crushing forces, and the patented 12-fiber pliable Freeform Ribbon™ constructed of 250 μm color-coded optical 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 & Hardware
- Armor Adds Additional Protection

## FEATURES

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



## QUICK SPECS

CABLE  
STRUCTURE

**Central  
Tube**

RIBBON TYPE

**Freeform  
Ribbon™**

FIBER COUNT

**288 - 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	
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	600 lb (2,700 N)
Max. Recommended Service Load	200 lb (890 N)
Compression Resistance	124 lb/in (220 N/cm)

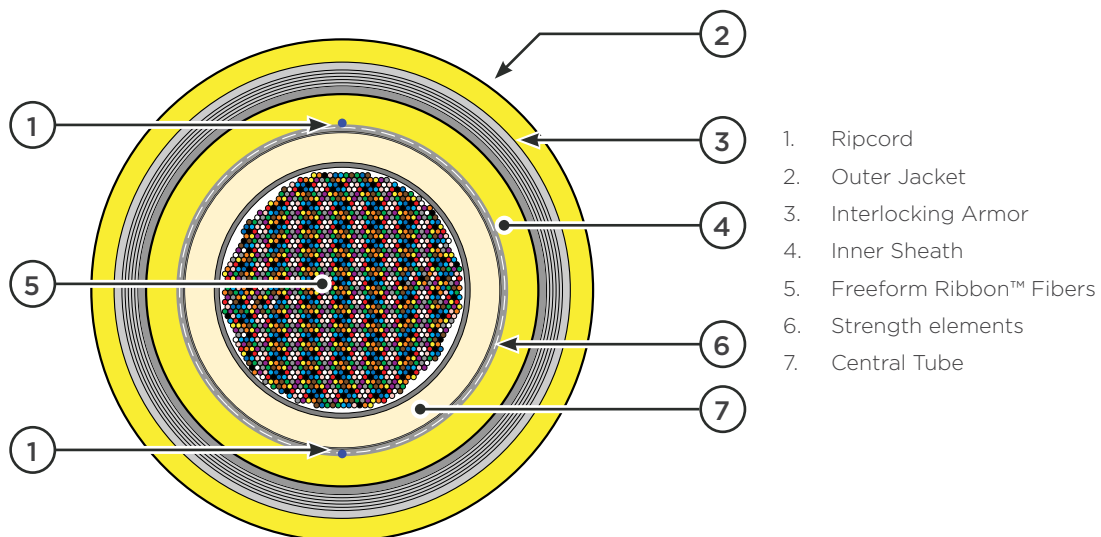
TEMPERATURE RANGE	
Operation	-4 to +158°F (-20 to +70°C)
Storage & Shipping	-40 to +158°F (-40 to +70°C)
Installation	+14 to +140°F (-10 to +60°C)

STANDARDS & COMPLIANCE	
Standards	OFCR, FT4
Regularity Compliance & Certifications	RoHS, REACH, Conflict Minerals, Proposition 65

**ORDERING INFORMATION**

PART NUMBER	FIBER COUNT	NOMINAL CABLE OD		NOMINAL ARMOR CABLE OD		NOMINAL WEIGHT		FIBERS PER RIBBON	NO. OF BUNDLES
		IN	MM	IN	MM	LB/KFT	KG/KM		
<b>250 μm</b>									
SE-8RLP0288-B	288f	0.62	15.7	0.91	23.0	252.0	375.0	12f	4
SE-8RLP1728-B	1,728f	1.01	25.6	1.51	38.4	674.0	1,003.0	12f	24

**CROSS SECTION**



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