

Freeform Ribbon® Flexible Indoor Plenum Cordage

Sumitomo Electric Lightwave's Freeform Ribbon® Ruggedized Indoor Plenum Central Tube Cables feature a flame-retardant outer jacket, a flexible design for easier maneuvering, and the patented 12-fiber pliable Freeform Ribbon® constructed of 250 µm color-coded optical fibers. The twelve fiber ribbons may be spliced to conventional ribbon, pliable ribbon, or non-ribbonized (single) fibers. The ribbons may be connectorized with both MPO and all industry-standard connectors. In addition, this cordage is designed to maximize fiber density to save valuable space in cable trays and indoor enclosures, making them an ideal choice for interconnect applications.



FEATURES

- Patented Pliable Freeform Ribbon® Color-Coded Optical Fibers
- PureAccess® Bend Insensitive Single-Mode Fiber G.657.A1
- Gel-Free
- Plenum-Rated Flame Resistance
- Flexible Cordage Design

BENEFITS

- Quick and Easy Fiber Identification
- Robust in Indoor Environments
- Compatible with Mass- and Single-Fiber Fusion Splicers, & Hardware
- Easy to Directly Splice With Lynx-Customfit™ MPO Splice-On Connectors
- Allows for Easier Maneuvering

QUICK SPECS

Interconnect Cordage

CABLE STRUCTURE

Freeform Ribbon®

RIBBON TYPE

12-48

FIBER COUNT

250 µm

FIBER SIZE

GENERAL	
Application	indoor
Jacket Color	yellow
Cable Structure	interconnect cordage
Ribbon Type	Freeform Ribbon®

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	3.93 in (100 mm)
After Installation	1.97 in (50 mm)

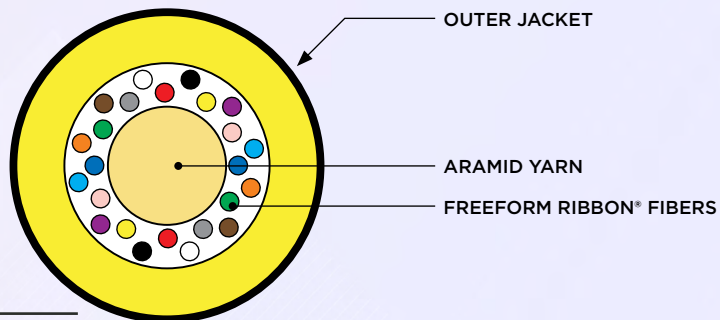
MECHANICAL CHARACTERISTICS	
Max. Tensile Load During Installation	50 lb (220 N)
Max. Recommended Service Load	15 lb (66 N)
Compression Resistance	20 lb/in (35 N/cm)

TEMPERATURE RANGE	
Operation	+32 to +158°F (0 to +70°C)
Storage & Shipping	-40 to +158°F (-40 to +70°C)
Installation	+32 to +140°F (0 to +60°C)

STANDARDS & COMPLIANCE	
Standards	OFNP, FT6
Regularity Compliance	RoHS, REACH, Conflict Minerals, Proposition 65

ORDERING INFORMATION

PART NUMBER	FIBER COUNT	NOMINAL CABLE OD		NOMINAL WEIGHT	
		IN	MM	LB/KFT	KG/KM
250 µm					
SE-8IUP0012-B-12	12f	0.10	2.5	4.3	6.3
SE-8IUP0024-B-12	24f	0.12	3.0	6.0	8.9
SE-8IUP0048-B-12	48f	0.15	3.8	8.0	11.9



CROSS SECTION

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For more information, visit www.SumitomoElectricLightwave.com