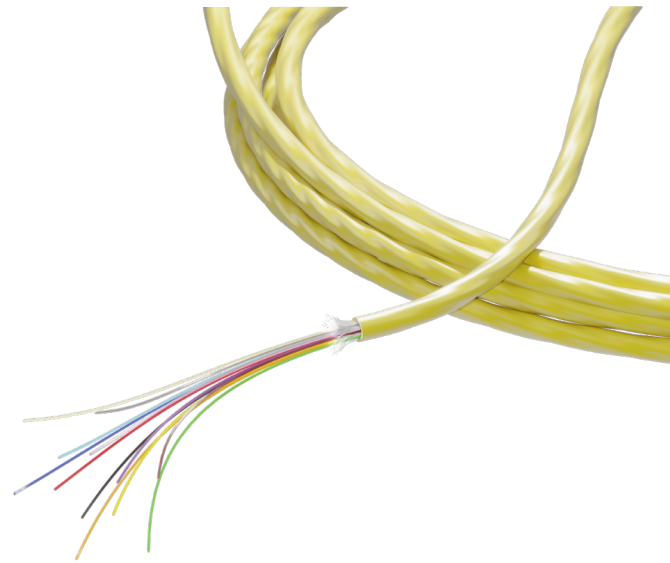


Freeform Ribbon™ Ruggedized Indoor Plenum Cordage

Sumitomo Electric Lightwave's Freeform Ribbon™ Ruggedized Indoor Plenum Cordage 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 12-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 it an ideal choice for interconnect applications.



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

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

QUICK SPECS

CABLE
STRUCTURE

**Interconnect
Cordage**

RIBBON TYPE

**Freeform
Ribbon™**

FIBER COUNT

12-48

FIBER SIZE

250 μm

To learn more information visit www.SumitomoElectricLightwave.com

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	20 x Cable OD
After Installation	10 x Cable OD

ORDERING INFORMATION

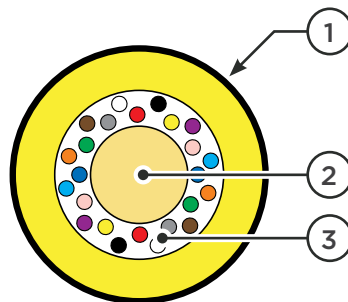
PART NUMBER	FIBER COUNT	NOMINAL CABLE OD		NOMINAL WEIGHT		FIBERS PER RIBBON	NO. OF BUNDLES
		IN	MM	LB/KFT	KG/KM		
250µm							
SE-8IUP0024-B-12	24f	0.18	4.6	15.5	23.0	12f	N/A
SE-8IUP0048-B-12	48f	0.20	5.0	19.1	28.4	12f	N/A

MECHANICAL CHARACTERISTICS	
Max. Tensile Load During Installation	150 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

CROSS SECTION



1. Outer Jacket
2. Aramid Yarn
3. Freeform Ribbon™ Fibers

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