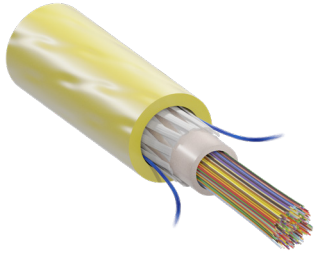


Freeform Ribbon® Indoor OFNR Low Smoke Halogen Free

72 & 144F



DESCRIPTION

Sumitomo Electric Lightwave's 4th Level™ Indoor OFNR cables feature a flame retardant outer jacket and 12 fiber Pliable Ribbons constructed of 250µm color-coded optical fibers for easy fiber identification. The all-dielectric cable construction requires no grounding or bonding. Additionally, the Freeform Ribbon® allows for dense fiber packing and a small cable diameter with a non-preferential bend axis thereby increasing

density in space-constrained applications. Sumitomo Electric's Freeform Ribbon® construction is designed to both pack densely in small form factor cables while still being capable to transform quickly, by hand ONLY, to splice-ready form similar to standard ribbon for fast and easy 12 fiber ribbon splicing (for both in-line and fusion splice-on connector splicing applications).

For more information on this cable, or other related products, visit:
www.SumitomoElectric.com

FEATURES

- Dry Central Tube Design for Easy Installation; No Mess When Splicing
- 12 Fiber Ribbon Groupings For Ease and Compatibility with Multi-Fiber Connectors
- Sumitomo Electric PureAccess Bend Insensitive Single Mode Fiber G.657.A1

BENEFITS

- Compatible with SEL's fusion splicers, Splice-On Connectors and Hardware
- Color-Coded Optical Fibers for Quick and Easy Identification
- Pliable Ribbon allows for higher density in space-constrained applications

SPECIFICATIONS

Property	Specification
Maximum Tensile Load During Installation	300 lbs
Maximum Recommended Service Load	100 lbs
Minimum Bend Radius (During/After Installation)	20/10 x Cable OD
Compression Resistance	220 N/cm (124 lbs/in)
Testing	OFNR / CSA FT4 / UL 1685-LS Compliant
Operation Temperature Range	-40 to 70°C (-40 to 158°F)

PHYSICAL CHARACTERISTICS

Fiber Count	Max. No. of Tubes	No. Fibers Per Ribbon	Cable Outer Diameter (mm) (in.)		Weight (kg/km) (lbs/kft.)		Tube Entry Tool
72	1	12	11.8	0.46	142.5	95.5	UCTS-001
144	1	12	14.4	0.57	188	126	UCTS-001

ORDERING INFORMATION

Create a Part Number by Using this Character Set & Codes

SE - 8 RZP0000-B

1

4 5

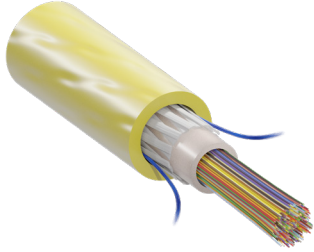
1 **Fiber Type***
8 = PureAccess [BIF A1] Single-mode Fiber

4 **Fiber Count (4-digits)**
Total number of fibers in the cable (0144)

5 **Fiber Attenuation Grades**
B = Standard Single-mode 0.40/0.30 dB/km (1310/1550 nm)

Freeform Ribbon® Indoor OFNR Low Smoke Halogen Free

96F & 192F



DESCRIPTION

Sumitomo Electric Lightwave's 4th Level™ Indoor OFNR cables feature a flame retardant outer jacket and 12 fiber Pliable Ribbons constructed of 250µm color-coded optical fibers for easy fiber identification. The all-dielectric cable construction requires no grounding or bonding. Additionally, the Freeform Ribbon® allows for dense fiber packing and a small cable diameter with a non-preferential bend axis thereby increasing

density in space-constrained applications. Sumitomo Electric's Freeform Ribbon® construction is designed to both pack densely in small form factor cables while still being capable to transform quickly, by hand ONLY, to splice-ready form similar to standard ribbon for fast and easy 12 fiber ribbon splicing (for both in-line and fusion splice-on connector splicing applications). The cable also meets Construction Product Regulations (CPR) with a Class B2ca rating for European markets.

FEATURES

- Dry Central Tube Design for Easy Installation; No Mess When Splicing
- 12 Fiber Ribbon Groupings For Ease and Compatibility with Multi-Fiber Connectors
- Sumitomo Electric PureAccess G.657.A1 Fiber

BENEFITS

- Compatible with SEL's fusion splicers, Splice-On Connectors and Hardware
- Color-Coded Optical Fibers for Quick and Easy Identification
- Pliable Ribbon allows for higher density in space-constrained applications
- Complies with current European market CPR Class B2ca requirement

For more information on this cable, or other related products, visit:
www.SumitomoElectric.com

SPECIFICATIONS

Property	Specification
Maximum Tensile Load During Installation	300 lbs
Maximum Recommended Service Load	100 lbs
Minimum Bend Radius (During/After Installation)	20/10 x Cable OD
Compression Resistance	220 N/cm (124 lbs/in)
Testing	OFNR / CSA FT4 / UL 1685-LS Compliant / CPR B2ca
Operation Temperature Range	-40 to 70°C (-40 to 158°F)

PHYSICAL CHARACTERISTICS

Fiber Count	Max. No. of Tubes	No. Fibers Per Ribbon	Cable Outer Diameter (mm) (in.)	Weight (kg/km) (lbs/kft.)	Tube Entry Tool
96	1	12	11.8 0.46	145.0 97.0	UCTS-001
192	1	12	14.4 0.57	193.0 129.0	UCTS-001

ORDERING INFORMATION

Create a Part Number by Using this Character Set & Codes

SE - 8 RNP0000-B



1

Fiber Type*

8 = PureAccess -Bend Insensitive [ZWP] Single-mode Fiber

4

Fiber Count (4-digits)

Total number of fibers in the cable (0096 or 0192)

5

Fiber Attenuation Grades

B = Standard Single-mode 0.40/0.30 dB/km (1310/1550 nm)