

Freeform Ribbon™ Outdoor/Indoor OFNR LSZH Monotube Cables

Sumitomo Electric Lightwave's (SEL) Freeform Ribbon™ Outdoor/Indoor OFNR Low Smoke Zero Halogen (LSZH) Monotube Cables are intended for duct and direct buried installation, and features the patented 12-fiber pliable Freeform Ribbon™ constructed of 200 μm color-coded optical fibers.

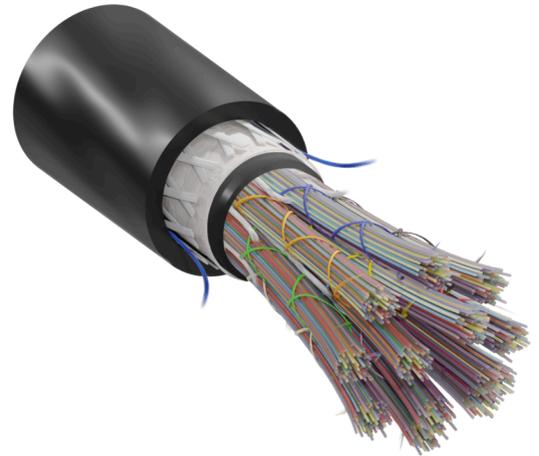
Freeform Ribbon™ enables high fiber density within a small cable diameter which in turn helps with limited duct space. The 12-fiber ribbons may be spliced to a conventional ribbon, pliable ribbon, or non ribbonized (single) fibers, as well as connectorization with both MPO and all industry standard connectors.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

BENEFITS

- Color-Coded Optical Fibers for Quick and Easy Identification
- Robust in Outdoor/Indoor Environments
- High Fiber Density Maximizes Duct Space
- Compatible With Mass and Single-Fiber Fusion Splicers, Splice-On Connectors, and Hardware

FEATURES

- Patented Pliable Freeform Ribbon™ Color-Coded Optical Fibers
- PureAccess® G.657.A1 Bend Insensitive Single-Mode Fiber
- Gel-Free, Water Blocking Tape and Yarn
- Low Smoke Zero Halogen Outer Jacket
- Meets OFNR, FT-4, and Low Smoke/ST-1 Specifications



QUICK SPECS

CABLE
STRUCTURE

Monotube

RIBBON TYPE

**Freeform
Ribbon™**

FIBER COUNT

288, 864

FIBER SIZE

200 μm

SPECIFICATIONS

GENERAL

Application	Outdoor/Indoor
Jacket Color	Black
Cable Structure	Monotube
Ribbon Type	Freeform Ribbon™
Metallic Elements	No Bonding/Grounding Required

FIBER

Fiber Type	PureAccess® G.657.A1 Bend Insensitive Single-Mode Fiber	
Fiber Attenuation Grades	Standard Single-Mode	
Max. 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)	15 x Cable O.D.

MECHANICAL CHARACTERISTICS

Max. Tensile Load (During Installation)	600 lb (2,670 N)
Max. Recommended Service Load	180 lb (800 N)
Max. Compression Resistance	124 lb/in (220 N/cm)

TEMPERATURE RANGE

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

STANDARDS

Standards	OFNR, FT4, Low Smoke/ST-1
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ORDERING INFORMATION

PART NUMBER	FIBER COUNT	NOMINAL CABLE O.D.		NOMINAL WEIGHT		FIBERS PER RIBBON	FIBERS PER BUNDLE	NO. OF BUNDLES
		IN	MM	LBS/KFT	KG/KM			
200 μm								
SE-8BST0288-B	288f	0.54	13.8	107.8	160.4	12f	72f	4
SE-8BST0864-B	864f	0.69	17.6	166.0	247.1	12f	72f	12