

## Freeform Ribbon™ OSP All-Dielectric Central Tube Cables

Sumitomo Electric Lightwave's (SEL) Freeform Ribbon™ Outside Plant (OSP) All-Dielectric Central Tube Cables features an all-dielectric design requiring no grounding or bonding, and the patented 12-fiber pliable Freeform Ribbon™ constructed of 200 or 250  $\mu\text{m}$  color-coded optical fibers.

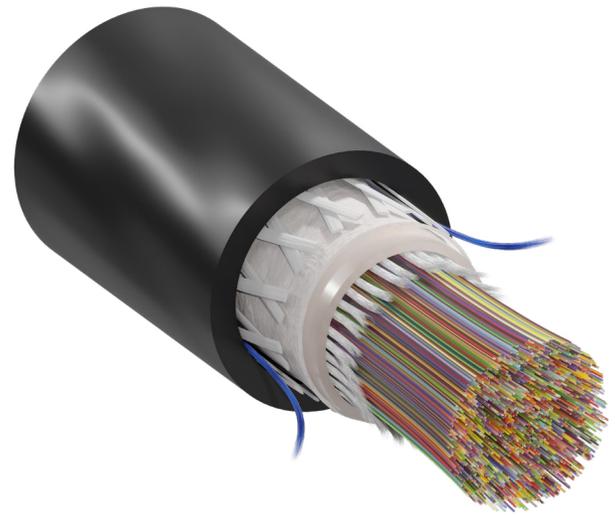
Freeform Ribbon™ enables high fiber density within a small cable diameter which in turn helps with limited duct space. The 12-fiber ribbons may be spliced to a conventional ribbon, pliable ribbon, or non ribbonized (single) fibers, as well as connectorization with both MPO and all industry standard connectors.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

### BENEFITS

- Quick and Easy Fiber Identification
- Robust in Harsh Installation Environments
- High Fiber Density Maximizes Duct Space
- Compatible with Mass and Single Fiber Fusion Splicers, Splice-On Connectors & Hardware

### FEATURES

- Patented Pliable Freeform Ribbon™ Color-Coded Optical Fibers
- PureAccess® G.657.A1 Bend Insensitive Single-Mode Fiber
- Gel-Free, Water-Blocking Tape & Yarn
- Dry Central Tube for Easy Installation



### QUICK SPECS

CABLE  
STRUCTURE

**Central  
Tube**

RIBBON TYPE

**Freeform  
Ribbon™**

FIBER COUNT

**24 & 1,728**

FIBER SIZE

**250,  
200 $\mu\text{m}$**

To learn more information visit [www.SumitomoElectricLightwave.com](http://www.SumitomoElectricLightwave.com)

GENERAL	
Application	Outside Plant
Jacket Color	Black PE
Cable Structure	Central Tube
Ribbon Type	Freeform Ribbon™

FIBER		
Fiber Type	PureAccess® G.657.A1 Bend Insensitive Single-Mode Fiber	
Fiber Attenuation Grades	Standard Single-Mode	
Maximum 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

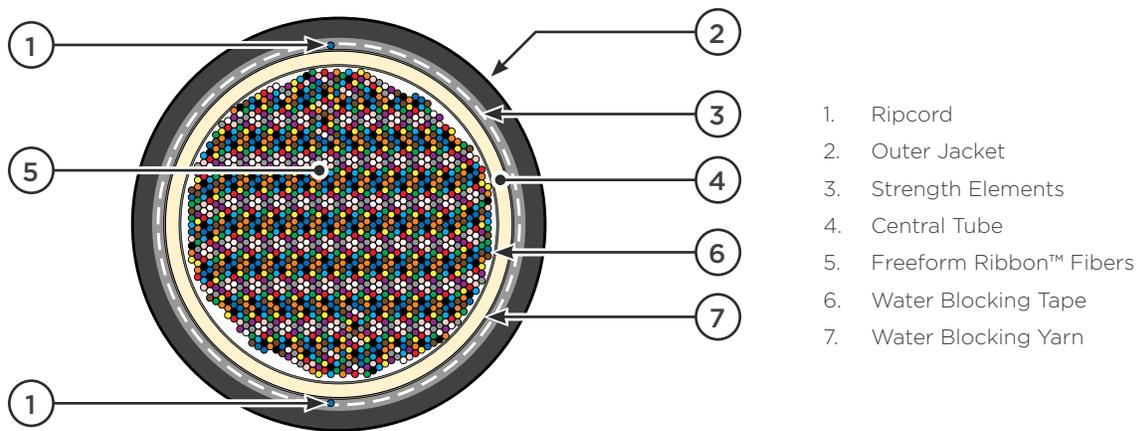
MECHANICAL CHARACTERISTICS	
Max. Tensile Load (During Installation)	600 lb (2,670 N)
Max. Recommended Service Load	180 lb (800 N)
Max. Compression Resistance	125 lb/in (220 N/cm)

TEMPERATURE RANGE	
Operation	-40 to +158°F (-40 to +70°C)
Storage & Shipping	-40 to +158°F (-40 to +70°C)
Installation	-22 to +140°F (-30 to +60°C)

**ORDERING INFORMATION**

PART NUMBER	FIBER COUNT	NOMINAL CABLE OD		NOMINAL WEIGHT		FIBERS PER RIBBON	NO. OF BUNDLES
		IN	MM	LB/KFT	KG/KM		
<b>250µm</b>							
SE-8DDP0096-B-12	96f	0.45	11.5	56.0	83.7	12f	N/A
<b>200µm</b>							
SE-8DDT0864-B	864f	0.92	23.5	218.6	326.3	12f	12
SE-8DDT1728-B	1,728f	0.98	25.0	262.7	422.7	12f	24

**CROSS SECTION**



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