

# Freeform Ribbon™ OSP All-Dielectric Central Tube Cables

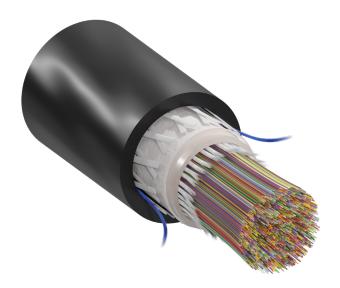
Sumitomo Electric Lightwave's Freeform Ribbon™ Outside Plant (OSP) All-Dielectric Central Tube Cables feature an all-dielectric design requiring no grounding or bonding, and the patented 12-fiber pliable Freeform Ribbon™ constructed of 250 or 200 µm color-coded optical fibers. Freeform Ribbon™ enables 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, connectorization with both MPO and all industry standard connectors. The non-preferential bend axis allows for easy installation in space-constrained areas.



- 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
- Sumitomo Electric PureAccess® Bend Insensitive Single Mode Fiber G.657.A1
- Gel Free Water Blocking Tape & Yarn
- Dry Central Tube for Easy Installation



#### QUICK SPECS

CABLE STRUCTURE

RIBBON TYPE

FIBER COUNT

FIBER SIZE

Central Tube

Freeform Ribbon™

24, 96, & 1,728

250, 200µm



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

FIBER		
Fiber Type		G.657.A1 Bend ngle-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

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

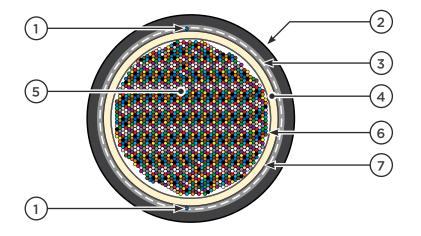
TEMPERATURE RANGE	
Operation	-40 to +158°F (-40 to +70°C)
Storage & Shipping	-40 to +158°F (-40 to +70°C)
Installation	-22 to +140°F (-30 to +60°C)

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

### **ORDERING INFORMATION**

PART NUMBER	FIBER COUNT -	NOMINAL CENTRAL TUBE OD		NOMINAL CABLE OD		NOMINAL WEIGHT		FIBERS PER	NO. OF
		IN	MM	IN	ММ	LB/KFT	KG/KM	- RIBBON	BUNDLES
				250µm					
SE-8DDP0024-B-12	24f	0.30	7.5	0.45	11.5	51.9	77.6	12f	N/A
SE-8DDP0096-B-12	96f	0.30	7.5	0.45	11.5	56.0	83.7	12f	N/A
200µm									
SE-8DDT1728-B	1,728f	0.72	18.4	0.98	25.0	262.7	422.7	12f	24

## CROSS SECTION \_



- 1. Ripcord
- 2. Outer Jacket
- 3. Strength Elements
- 4. Central Tube
- 5. Freeform Ribbon™ Fibers
- 6. Water Blocking Tape
- 7. Water Blocking Yarn