

Freeform Ribbon™

Conventional OSP All-Dielectric Slotted Core Cables

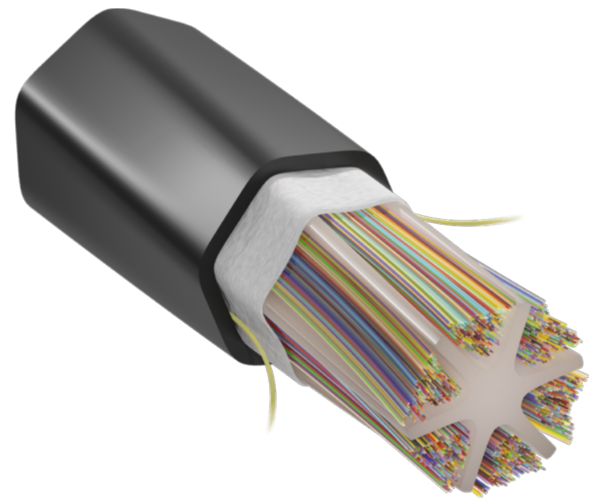
Sumitomo Electric Lightwaves's Freeform Ribbon™ Conventional Outside Plant (OSP) All-Dielectric Slotted Core Cables feature an all-dielectric design requiring no grounding or bonding, and the patented 12-fiber pliable Freeform Ribbon™ constructed of 250 μm color-coded optical fibers. Freeform Ribbon™ 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

- 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
- Slotted Core Provides Easier Grouping of Fibers

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
- Meets Requirements of IEC 60794-3-19
- Tested Per Applicable Requirements of Telcordia GR-20



QUICK SPECS

CABLE
STRUCTURE

**Slotted
Core**

RIBBON TYPE

**Freeform
Ribbon™**

FIBER COUNT

144 - 1,728

FIBER SIZE

250μm

To learn more information visit www.SumitomoElectricLightwave.com

GENERAL	
Application	Outside Plant
Jacket Color	Black PE
Cable Structure	Slotted Core
Ribbon Type	Freeform Ribbon™
Metallic Elements	Bonding/Grounding Required

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	0.25 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	124 lb/in (220 N/cm)

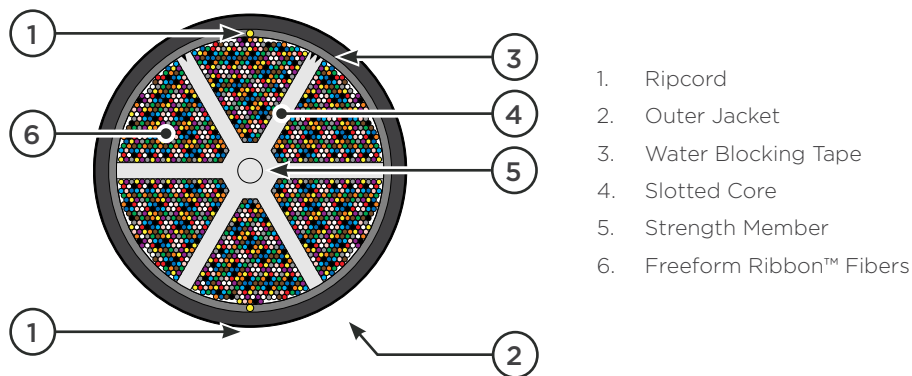
TEMPERATURE RANGE	
Operation	-40 to +158°F (-40 to +70°C)
Storage & Shipping	-40 to +158°F (-40 to +70°C)
Installation	+14 to +122°F (-10 to +50°C)

STANDARDS & COMPLIANCE	
Standards	Referencing Telcordia GR-20
Regularity Compliance	RoHS, REACH, Conflict Minerals, Proposition 65

ORDERING INFORMATION

PART NUMBER	FIBER COUNT	NOMINAL CABLE OD		NOMINAL WEIGHT		FIBERS PER RIBBON	NO. OF SLOTS	STRANDING
		IN	MM	LB/KFT	KG/KM			
250 µm								
DRSC-OSP6-SA00144-250-ADEROL	144f	0.67	17.0	134.4	200.0	6	24f	SZ
DRSC-OSP6-SA00288-250-ADEROL	288f	0.67	17.0	141.1	220.0	6	48f	SZ
DRSC-OSP6-SA00432-250-ADEROL	432f	0.79	20.0	178.1	265.0	6	72f	SZ
DRSC-OSP6-SA00864-250-ADEROL	864f	0.93	23.5	245.3	365.0	6	144f	SZ
DRSC-OSP6-SA01728-250-ADEROL	1,728f	1.16	29.5	295.7	440.0	6	288f	SZ

CROSS SECTION



- 1. Ripcord
- 2. Outer Jacket
- 3. Water Blocking Tape
- 4. Slotted Core
- 5. Strength Member
- 6. Freeform Ribbon™ Fibers

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