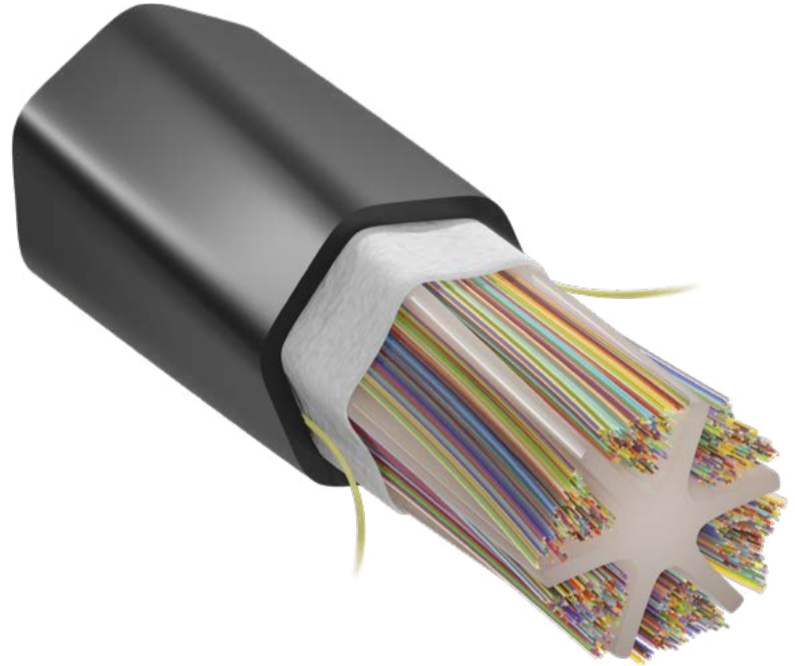


# Freeform Ribbon® Conventional OSP All-Dielectric Slotted Core Cables

Sumitomo Electric's Freeform Ribbon® Conventional Outside Plant 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 twelve 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.



## 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

## 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

## QUICK SPECS

**Slotted Core**  
CABLE STRUCTURE

**Freeform Ribbon®**  
RIBBON TYPE

**288 - 1,728**  
FIBER COUNT

**250µm**  
FIBER SIZE

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

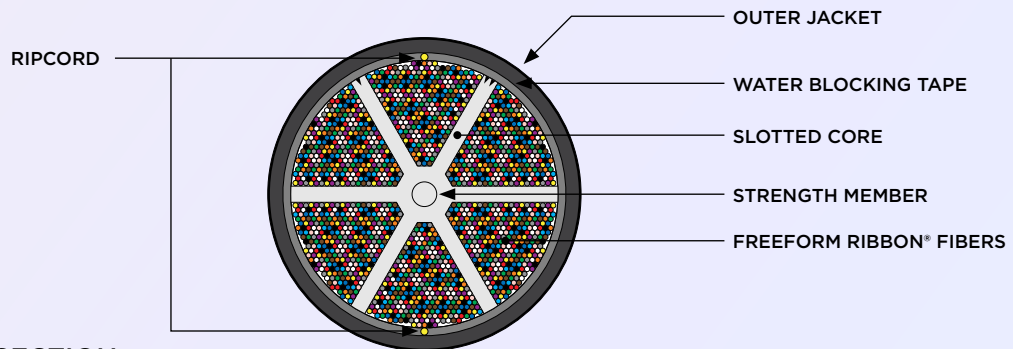
MECHANICAL CHARACTERISTICS	
Max. Tensile Load During Installation	600 lb (2,670 N)
Max. Recommended Service Load	180 lb (800 N)
Compression Resistance	124 lb/in (220 N/cm)

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			
<b>250 µm</b>								
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**

Freeform Ribbon® Conventional OSP All-Dielectric Slotted Core Cables

For more information, visit [www.SumitomoElectricLightwave.com](http://www.SumitomoElectricLightwave.com)