

APAC REGION ONLY

Freeform Ribbon™ Conventional OSP Nylon Sheath All-Dielectric Slotted Core Cables

Sumitomo Electric's Freeform Ribbon™ Conventional Outside-Plant (OSP) Nylon Sheath 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 or 200µm color-coded optical fibers.

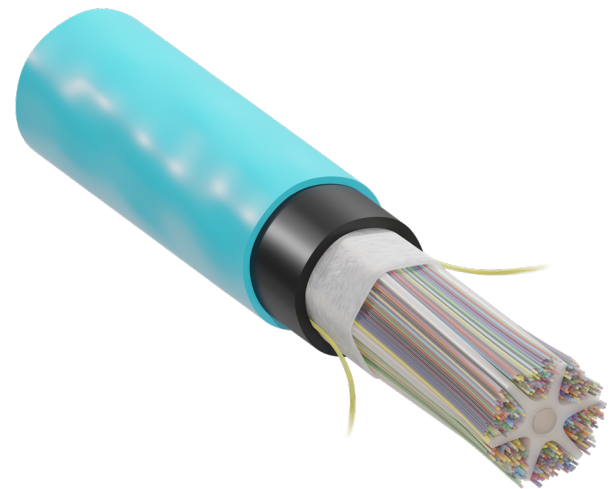
Freeform Ribbon™ enables high fiber density within a small cable diameter, which in turn helps with limited duct space. The 12-fiber ribbons may be spliced to a conventional ribbon, pliable ribbon, or non-ribbonized (single) fibers, as well as connectorization with both MPO and all industry-standard 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 Environments
- Pliable Ribbon Allows For Higher Density In Space-Constrained Applications
- 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
- All-Dielectric Design (Requires No Grounding or Bonding)



QUICK SPECS

CABLE
STRUCTURE

**Slotted
Core**

RIBBON TYPE

**Freeform
Ribbon™**

FIBER COUNT

288 - 1,728

FIBER SIZE

**250,
200 µm**

GENERAL	
Region Availability	APAC Region Only
Application	Outside Plant
Jacket Color	Aqua
Cable Structure	Slotted Core
Ribbon Type	Freeform Ribbon™
Metallic Elements	No Bonding/Grounding Required

FIBER		
Fiber Type	PureAccess® G.657.A1 Bend Insensitive Single-Mode Fiber	
Insensitive Single-Mode Fiber	Standard Single-Mode	
Fiber Attenuation Grades	1310 nm	0.40 dB/km
	1550 nm	0.30 dB/km

BEND RADIUS	
During Installation	20 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)

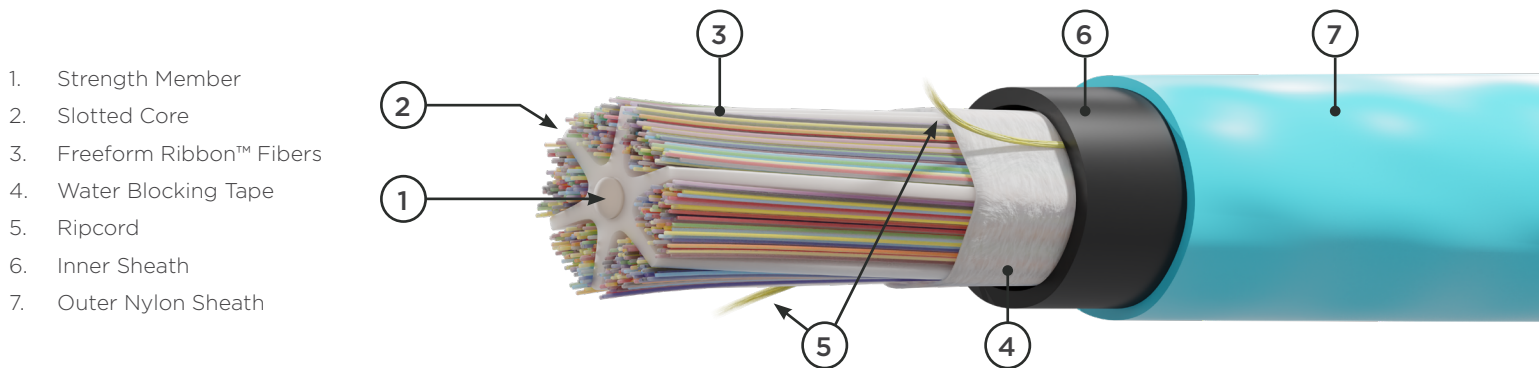
TEMPERATURE RANGE	
Operation	+14 to +158°F (-10 to +70°C)

STANDARDS	
Standards	Referencing EIA/TIA-455

ORDERING INFORMATION

SEI PART NUMBER	FIBER COUNT	NOMINAL CABLE OD		NOMINAL WEIGHT		FIBERS PER RIBBON	FIBERS PER SLOT	STRANDING	STRENGTH MEMBER	
		IN	MM	LB/KFT	KG/KM					
250 µm										
NM432SM(PA)-SZ12(EZB)-WB-E/NY{LB}	432f	0.83	21.0	201.6	300.0	12f	72	SZ	FRP	
NM1728SM(PA)-TS12-WB-E/NY{LB}	1,728f	1.14	29.0	470.4	700.0	12f	288	HL	FRP	
200 µm										
NM288SM(PA200)-SZ12(EZB)-WB-E/NY{LB}	288f	0.63	16.0	147.8	220.0	12f	48	SZ	FRP	
NM432SM(PA200)-SZ12(EZB)-WB-E/NY{LB}	432f	0.69	17.5	181.4	270.0	12f	72	SZ	FRP	
NM864SM(PA200)-SZ12(EZB)-WB-E/NY{LB}	864f	0.79	20.0	255.3	380.0	12f	144	SZ	FRP	
NM1728SM(PA200)-SZ12(EZB)-WB-E/NY{LB}	1,728f	1.06	27.0	315.8	470.0	12f	288	SZ	FRP	

(APAC REGION ONLY) FREEFORM RIBBON™ CONVENTIONAL OSP NYLON SHEATH ALL-DIELECTRIC SLOTTED CORE CABLES



To learn more information visit www.SumitomoElectricLightwave.com/Market-Application/Data-Center-Network-Solutions/