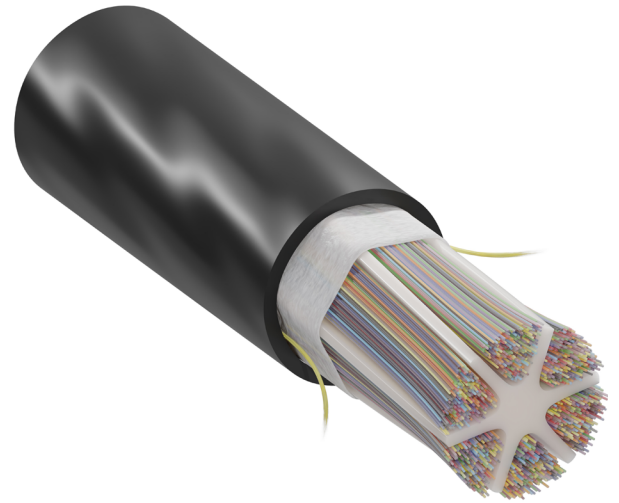


APAC REGION ONLY

Freeform Ribbon™ Indoor/Outdoor LSZH Slotted Core Cables

Sumitomo Electric's Freeform Ribbon™ Indoor/Outdoor Low-Smoke-Zero-Halogen (LSZH) Slotted Core Cables feature 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 Indoor and 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
- Flame-Retardant, Zero-Halogen, and UV-Resistant Outer Jacket

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	Indoor/Outdoor
Jacket Color	Black
Cable Structure	Slotted Core
Ribbon Type	Freeform Ribbon™
Metallic Elements	No Bonding/Grounding Required

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)

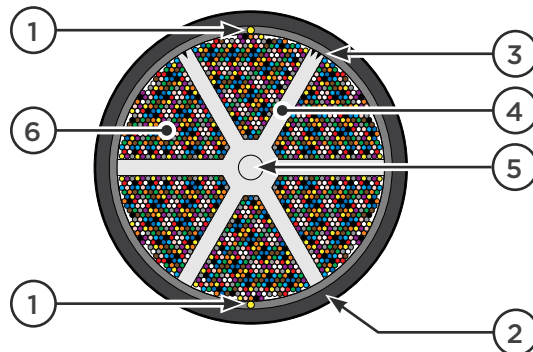
BEND RADIUS	
During Installation	20 x Cable OD

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	0.30 dB/km

ORDERING INFORMATION

(SEI) PART NUMBER	FIBER COUNT	NOMINAL CABLE OD		NOMINAL WEIGHT		FIBERS PER RIBBON	FIBERS PER SLOT	STRANDING	STRENGTH MEMBER	STANDARDS	
		IN	MM	LB/KFT	KG/KM						
250 µm											
NM864SM(PA)-TS12(EZB)-WB-E-LSZH(EN)	864f	0.89	22.5	295.7	440.0	12f	144	HL	FRP	IEC 60332-3 Part 3 Cat.C	EN50399
NM1728SM(PA)-TS12(EZB)-WB-E-LSZH(EN)	1,728f	1.11	28.0	403.2	600.0	12f	288	HL	FRP	IEC 60332-3 Part 3 Cat.C	EN50399
200 µm											
NM288SM(PA200)-SZ12(EZB)-WB-E-LSZH	288f	0.65	16.5	168.0	250.0	12f	48	SZ	FRP	IEC 60332-3 Part 3 Cat.C	IEC 61034-2
288SM(PA200)-SZ12(EZB)-WB-E-LSZH	288f	0.61	15.5	164.7	245.0	12f	48	SZ	Metallic	IEC 60332-3 Part 3 Cat.C	IEC 61034-2
432SM(PA200)-SZ12(EZB)-WB-E-FR	432f	0.69	17.5	221.7	330.0	12f	72	SZ	Metallic	JIS C 3521	N/A
NM1728SM(PA200)-TS12(EZB)-WB-E-LSZH(EN)	1,728f	0.97	24.5	309.1	460.0	12f	288	HL	FRP	IEC 60332-3 Part 3 Cat.C	EN50399

CROSS SECTION



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

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