

Freeform Ribbon™ Armored Monotube OSP Cable

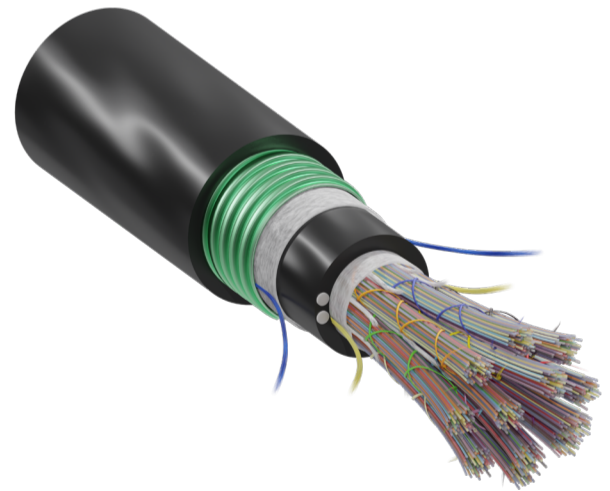
Sumitomo Electric Lightwave's Freeform Ribbon™ Armored Monotube Outside Plant (OSP) Cable is intended for duct and direct buried installation, and the patented 12-fiber pliable Freeform Ribbon™ is constructed of 250 μm color-coded optical fibers. Freeform Ribbon™ enables high fiber density within a small 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. These cables feature a dry water block yarn design that eliminates cable flooding gels, thereby eliminating the cleaning and blocking preparation steps associated with standard gel-filled cables. The steel armored sheath construction produces a rugged, rodent resistant cable and adds compressive strength required for direct buried applications.

BENEFITS

- Quick And Easy Fiber Identification
- Robust In Harsh Installation Environments
- Robust in Outdoor Environments
- High Fiber Density Maximizes Duct Space
- Compatible With Mass And Single Fiber Fusion Splicers, Splice-On Connectors & Hardware
- Armor Adds Additional Protection

FEATURES

- Patented Pliable Freeform Ribbon™ Color-Coded Optical Fibers
- PureBand™-R Bend Insensitive Single Mode Fiber G.657.A1
- Gel-free, Water-blocking Tape
- Meets Requirements of 60793-1, 60793-2, 60794-1
- Tested Per Applicable Requirements of Telcordia GR-20



QUICK SPECS

CABLE
STRUCTURE

Monotube

RIBBON TYPE

**Freeform
Ribbon™**

FIBER COUNT

432f-864f

FIBER SIZE

250 μm

GENERAL	
Application	Outside Plant
Jacket Color	Black PE
Cable Structure	Monotube
Ribbon Type	Freeform Ribbon™
Metallic Elements	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
After Installation	15 x Cable OD

ORDERING INFORMATION

PART NUMBER	FIBER COUNT	NOMINAL CABLE OD		NOMINAL WEIGHT		FIBERS PER RIBBON	NO. OF BUNDLES
		IN	MM	LB/KFT	KG/KM		
250µm							
SE-CMBP0864-C	864f	0.91	23.0	295.0	440.0	12f	12

FIBER		
Fiber Type	PureBand™-R G.657.A1 Bend Insensitive Single-Mode Fiber	
Fiber Attenuation Grades	Standard Single-Mode	
Mode Field Diameter	1310 nm	9.2 ± 0.4 µm
Attenuation	1310 nm	0.40 dB/km
	1550 nm	0.30 dB/km

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