

Standard Ribbon Armored OSP Central Tube Cables

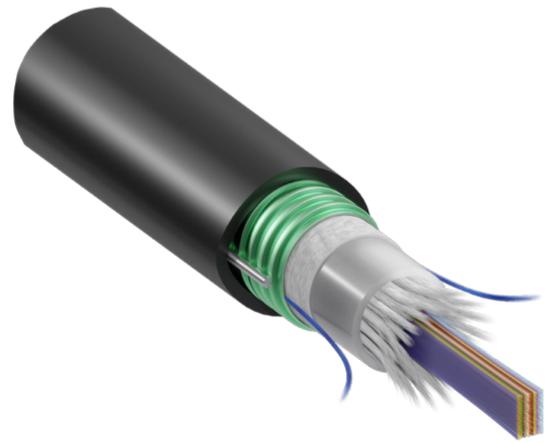
Sumitomo Electric Lightwave's Standard Ribbon Armored Outside Plant (OSP) Central Tube Cables are intended for duct, direct-buried, and lashed aerial installations. These cables feature a dry water-block yarn design that eliminates the need for cable flooding gels, thereby eliminating the cleaning and blocking preparation steps associated with standard gel-filled cables. Installer-friendly and lighter than conventional gel-filled cables, these cables allow for easier cable handling, easy mid-span entry, and superior fiber accessibility. The steel-armored sheath construction ensures a rugged, rodent-resistant cable, providing the compressive strength required for direct buried applications.

BENEFITS

- Quick and Easy Fiber Identification
- Robust in Outdoor Environments
- Armored Construction Adds Additional Protection
- Central Tube Provides Easy Mid-Span Access
- Industry Standard MDPE Sheath

FEATURES

- Industry's First Gel-Free OSP Ribbon Cable with up to 432 Fibers
- 12 and 24 Patented Peelable Optical Fiber Ribbons
- Gel-Free, Water-Blocking Tape and Yarn
- Dry Central Tube for Easy Installation
- Complies with EIA/TIA, Telcordia, RUS, ICEA, and IEC Requirements



QUICK SPECS

CABLE
STRUCTURE

**Central
Tube**

RIBBON TYPE

**Standard
Ribbon**

FIBER COUNT

12 - 432

FIBER SIZE

250 μ m

GENERAL	
Application	Outside Plant
Jacket Color	Black
Jacket Material	MDPE
Cable Structure	Central Tube
Ribbon Type	Standard Ribbon
Metallic Elements	Bonding/Grounding Required

TEMPERATURE RANGE	
Operation	-40 to +158°F (-40 to +70°C)
Storage & Shipping	-40 to +167°F (-40 to +75°C)
Installation	-22 to +140°F (-30 to +60°C)

MECHANICAL CHARACTERISTICS	
Max. Tensile Load (During Installation)	600 lb (2,670 N)
Max. Recommended Service Load	200 lb (890 N)
Max. Compression Resistance	248 lb/in (440 N/cm)

BEND RADIUS	
During Installation (Dynamic)	20 x Cable O.D.
After Installation (Static)	10 x Cable O.D.

ORDERING INFORMATION

FIBER COUNT	NOMINAL CABLE O.D.		NOMINAL WEIGHT		FIBERS PER RIBBON
	IN	MM	LB/KFT	KG/KM	
250 µm					
12 - 48f	0.55	14.0	110.0	182.0	12f
60 - 96f	0.58	14.7	140.0	208.0	12f
108 - 144f	0.64	16.2	169.0	252.0	12f
156 - 216f	0.80	20.4	205.0	305.0	12f
240 - 288f	0.86	21.9	249.0	371.0	24f
312 - 432f	0.97	24.6	286.0	425.0	24f

Instructions: Create a part number by using this character set and codes.

SE - 1 DB 2222 - 3

1 - FIBER TYPE		2 - FIBER COUNT (4-DIGITS)		3 - FIBER ATTENUATION GRADES	
8	PureAccess® G.657.A1 Bend Insensitive Single-Mode Fiber	0012	12 Fibers	B	Standard Single-Mode 0.40/0.30 dB/km (1310/1550 nm)
		0024	24 Fibers		
		0048	48 Fibers		
		0072	72 Fibers		
		0096	96 Fibers		
		0144	144 Fibers		
		0216	216 Fiber		
		0288	288 Fibers		
		0432	432 Fibers		

To learn more information visit www.SumitomoElectricLightwave.com