

Standard Ribbon Armored OSP Central Tube Cables

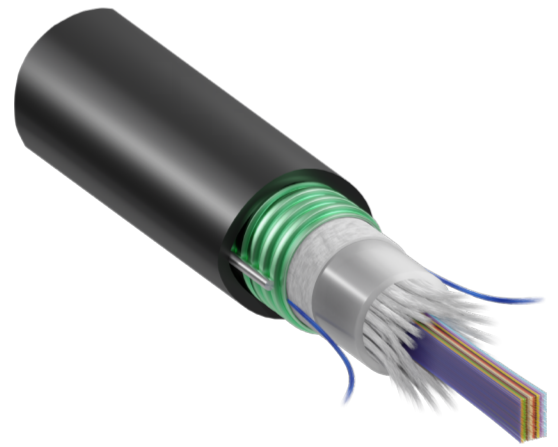
Sumitomo Electric Lightwave's Standard Ribbon Armored Outside Plant (OSP) Central Tube Cables are intended for duct, direct-buried, and lashed aerial installations. These cables feature a dry water block yarn design that eliminates cable flooding gels, thereby eliminating the cleaning and blocking preparation steps associated with standard gel-filled cables. The cables are installer-friendly, lighter in weight than conventional gel-filled cables, and allow for easier cable handling, easy mid-span entry, and superior fiber access ability. The steel-armored sheath construction produces a rugged, rodent-resistant cable and adds 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 & 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 PE
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)
Compression Resistance	248 lb/in (440 N/cm)

BEND RADIUS	
During Installation (Dynamic)	20 x Cable OD
After Installation (Static)	10 x Cable OD

STANDARDS & COMPLIANCE	
Regularity Compliance	Telcordia GR-20-CORE, EIA/TIA, RUS, ICEA, IEC

ORDERING INFORMATION

FIBER COUNT	NOMINAL CABLE OD		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	12f	B	Standard Single-Mode 0.40/0.30 dB/km (1310/1550 nm)
		0024	24f		
		0048	48f		
		0072	72f		
		0096	96f		
		0144	144f		
		0288	288f		
		0432	432f		

To learn more information visit www.SumitomoElectricLightwave.com