

Standard Ribbon Armored OSP Central Tube Cables

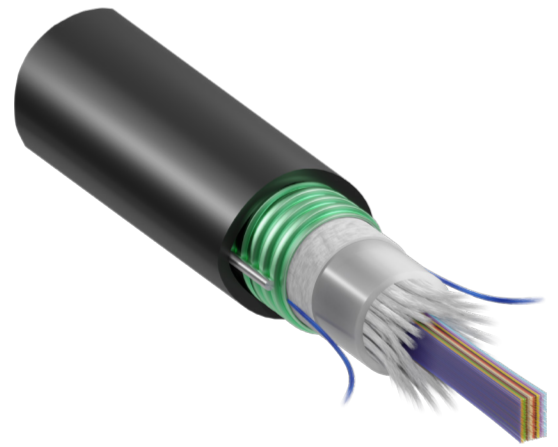
Sumitomo Electric Lightwave's Standard Ribbon Armored Outside Plant (OSP) Central Tube Cables are intended for duct, direct-buried, and lashed aerial installations. These cables feature a dry water block yarn design that eliminates cable flooding gels, thereby eliminating the cleaning and blocking preparation 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 | | MECHANICAL CHARACTERISTICS | |
|--------------------|------------------------------|--|---|
| Application | Outside Plant | Max. Tensile Load During Installation | 600 lb (2,700 N) |
| Jacket Color | Black PE | Max. Recommended Service Load | 200 lb (890 N) |
| Cable Structure | Central Tube | Compression Resistance | 248 lb/in (440 N/cm) |
| Ribbon Type | Standard Ribbon | Min. Bend Radius (During/After Installation) | 20/10 x Cable OD |
| TEMPERATURE RANGE | | STANDARDS & COMPLIANCE | |
| Operation | -40 to +158°F (-40 to +70°C) | Regularity Compliance | Telcordia GR-20-CORE, EIA/TIA, RUS, ICEA, IEC |
| Storage & Shipping | -40 to +167°F (-40 to +75°C) | | |
| Installation | -22 to +140°F (-30 to +60°C) | | |

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.

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| 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 | | |