

Standard Ribbon Indoor Plenum Central Tube Cables

Sumitomo Electric Lightwave's Standard Ribbon Indoor Plenum Central Tube Cables are the industry's first and only, with up to 432 fibers. The cables are designed for fiber density and the saving of valuable duct space, making them an ideal choice for intra-building applications. These cables feature 250 µm color-code optical fibers for easy fiber identification and Sumitomo's exclusive patented Easy Split & Peel technology for easy fiber access and unprecedented ease of handling and splicing. The 12-fiber ribbon groupings enable easy connectorization with both MPO and all industry standard connectors.

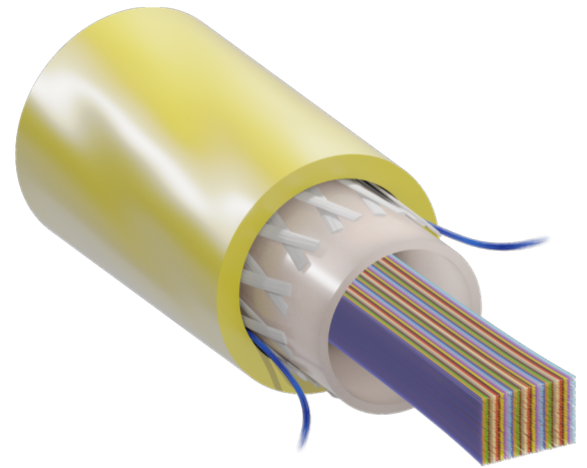
Flexible dielectric members provide mechanical durability within a flame-retardant jacket, while the non-preferential bend axis allows for easy installation in space-constrained areas. The all-dielectric cable construction eliminates the need for grounding or bonding. These plenum-rated cables meet or exceed OFNP and CSA FT-6 approvals and listings.

BENEFITS

- Color-Coded Optical Fibers for Quick and Easy Identification
- Robust in Indoor Environments
- All Dry Cable Construction Contains No Messy Gels, Thereby Making the Installation Faster
- RoHS Compliant

FEATURES

- Patented Peelable Ribbon Matrix Material for Easy Fiber Access
- 432 Fibers for High-Density Applications
- 12-Fiber Grouping for Ease and Compatibility with Multi-Fiber Connectors
- All-Dielectric Cable Construction Requires No Grounding or Bonding



QUICK SPECS

CABLE
STRUCTURE

**Central
Tube**

RIBBON TYPE

**Standard
Ribbon**

FIBER COUNT

12 - 432

FIBER SIZE

250 µm

| GENERAL | |
|-------------------|-------------------------------|
| Application | Indoor |
| Cable Structure | Central Tube |
| Ribbon Type | Standard Ribbon |
| Metallic Elements | No Bonding/Grounding Required |

| TEMPERATURE RANGE | |
|--------------------|------------------------------|
| Operation | +32 to +158°F (0 to +70°C) |
| Storage & Shipping | -40 to +158°F (-40 to +70°C) |
| Installation | +32 to +140°F (0 to +60°C) |

| MECHANICAL CHARACTERISTICS | |
|--|----------------------|
| Max. Tensile Load During Installation | 300 lb (1,340 N) |
| Max. Recommended Service Load | 100 lb (450 N) |
| Compression Resistance | 124 lb/in (220 N/cm) |
| Min. Bend Radius (During/After Installation) | 20/10 x Cable OD |

| STANDARDS & COMPLIANCE | |
|------------------------|----------------------------------|
| Standards | OFNP UL, FT-6/NFPA 262, ICEA 596 |
| Regularity Compliance | Referencing Telecordia-GR 20 |

ORDERING INFORMATION

| FIBER COUNT | NOMINAL CABLE OD | | NOMINAL WEIGHT | | FIBERS PER RIBBON |
|---------------|------------------|------|----------------|-------|-------------------|
| | IN | MM | LB/KFT | KG/KM | |
| 250 µm | | | | | |
| 12 - 48f | 0.44 | 10.3 | 126.0 | 187.0 | 12f |
| 60 - 96f | 0.55 | 14.0 | 129.0 | 192.0 | 12f |
| 108 - 216f | 0.65 | 16.6 | 173.0 | 257.0 | 12f |
| 288 - 432f | 0.85 | 21.6 | 263.0 | 392.0 | 24f |

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

SE - 1 RU 2222 - 3

| 1 - FIBER TYPE | | 2 - FIBER COUNT (4-DIGITS) | | 3 - FIBER ATTENUATION GRADES | |
|----------------|---|----------------------------|------|------------------------------|--|
| 1 | 50µm Multi-mode Fiber (OM3/OM4) | 0012 | 12f | B | Standard Single-Mode 0.40/0.30 dB/km (1310/1550 nm) |
| | | 0024 | 24f | | |
| 8 | PureAccess® G.657.A1 Bend Insensitive Single-Mode Fiber | 0048 | 48f | 7 | OM3 Enhanced Performance 50µm MM (850/1300 nm) 10Gb |
| | | 0072 | 72f | | |
| | | 0096 | 96f | | |
| | | 0144 | 144f | | |
| | | 0288 | 288f | | |
| | | 0432 | 432f | | |
| | | | | 8 | OM4 Enhanced Performance 50µm MM (850/1300 nm) 10Gb |