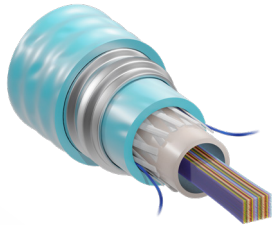


Indoor Interlocking Armored Plenum Cables

12-432F



DESCRIPTION

Sumitomo Electric Lightwave's new Indoor Interlocking Armored Plenum cable, featuring a fiber count of up to 432 fibers, is ideal for high density networks and saves valuable duct space in the building.

The cable features 250um color-coded optical fibers for easy fiber identification and Sumitomo Electric's patented Easy Split and Peel technology for easy fiber access and unprecedented ease of handling and splicing. The twelve ribbon groupings enable easy connectorization with both MPO and

industry standard connectors. The cable also features an interlocking armor adding protecting against crushing forces.

Flexible dielectric strength members within the cable core provide mechanical durability within a flame retardant jacket and the non-preferential bend axis allows for easy installation in space-constrained areas. These plenum rated cables meet or exceed OFCP and CSA FT-6 approvals and listings.

For more information on this cable, or other related products, visit:
www.SumitomoElectric.com

FEATURES

- 432 Fibers for High Density Applications
- Dry Central Tube Design
- Color-Coded Optical Fibers for Quick and Easy Identification
- 12-Fiber Grouping for Ease and Compatibility with Multi-Fiber Connectors
- RoHS Compliant

SPECIFICATIONS

Property	Specification
Maximum Tensile Load During Installation	600 lbs
Maximum Recommended Service Load	200 lbs
Minimum Bend Radius (During/After Installation)	20/10 x Cable OD
Compression Resistance	220 N/cm (124 lbs/in)
Testing	OFCP / CSA FT-6 Listed
Operation Temperature Range	-40 to 70°C (-40 to 158°F)

PHYSICAL CHARACTERISTICS

Fiber Count	Max. No. of Tubes	No. Fibers Per Ribbon	Cable Core Diameter (mm) (in.)	Jacketed Armor Diameter (mm) (in.)	Weight (kg/km) (lbs/kft.)	Tube Entry Tool
12 to 48	1	12	10.5 0.41	17.3 0.68	298 199	UCTS-001
60 to 96	1	12	14.0 0.55	21.0 0.83	398 267	
108 to 216	1	12	16.6 0.65	22.0 0.87	439 295	
288 to 432	1	24	21.6 0.85	29.3 1.15	656 441	

ORDERING INFORMATION

Create a Part Number by Using this Character Set & Codes

SE - 1 RH4444 - 5



- 1 Fiber Type***
1 = 50um Multimode Fiber (OM2/3/4)
2 = 62.5um Multimode Fiber (OM1)
8 = PureAccess G.657.A1 Bend Insensitive Single-mode Fiber
- 4 Fiber Count (4-digits)**
Total number of fibers in the cable (0012 to 0432)
- 5 Fiber Attenuation Grades**
B=Standard Single-mode 0.40/0.30 dB/km (1310/1550 nm)
7 = OM3 Enhanced performance 50um MM (850/1300nm) 10Gb
8 = OM4 Enhanced performance 50um MM (850/1300nm) 10Gb