# P-048-MP-8G-F24

Fiber indoor cable, Plenum for MPO Trunks, 48 fiber with 24 fiber subunits, Singlemode G.657.A2 /B2, Feet jacket marking,

### **Product Classification**

**Regional Availability** Asia | Australia/New Zealand | Latin America | Middle East

P-MP

/Africa | North America

**Portfolio** CommScope® **Product Type** 

Fiber indoor cable

General Specifications

**Product Series** 

**Cable Type** MPO trunk cable

**Construction Type** Non-armored

Fiber Type, quantity 48 Fibers per Subunit, quantity 24

**Jacket Marking** Feet

**Subunit Type** Gel-free

Subunit, quantity 2

**Total Fiber Count** 48

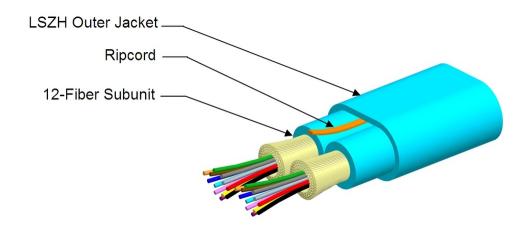
Dimensions

**Height Over Jacket** 4.47 mm | 0.176 in Width Over Jacket 8.08 mm | 0.318 in **Buffer Tube/Subunit Diameter** 3.6 mm | 0.142 in

Representative Image



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### Mechanical Specifications

Minimum Bend Radius, loaded67 mm | 2.638 inMinimum Bend Radius, unloaded45 mm | 1.772 inTensile Load, long term, maximum240 N | 53.954 lbfTensile Load, short term, maximum801 N | 180.072 lbf

 Compression
 10 N/mm | 57.101 lb/in

 Compression Test Method
 FOTP-41 | IEC 60794-1 E3

Flex 300 cycles

Flex Test Method FOTP-104 | IEC 60794-1 E6

**Impact** 0.74 N-m | 6.55 in lb

Impact Test Method FOTP-25 | IEC 60794-1 E4

**Strain** See long and short term tensile loads

Strain Test Method FOTP-33 | IEC 60794-1 E1

Twist 10 cycles

Twist Test Method FOTP-85 | IEC 60794-1 E7

**Vertical Rise, maximum** 500 m | 1,640.42 ft

**Optical Specifications** 

**Fiber Type** G.657.A2/B2 | G.657.A2/B2

**Environmental Specifications** 

**Installation temperature** 0 °C to +70 °C (+32 °F to +158 °F)

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## P-048-MP-8G-F24

**Operating Temperature**  $0 \, ^{\circ}\text{C} \text{ to } +70 \, ^{\circ}\text{C} \text{ (+32 } ^{\circ}\text{F to } +158 \, ^{\circ}\text{F)}$ 

Storage Temperature  $-40 \,^{\circ}\text{C}$  to  $+70 \,^{\circ}\text{C}$  (-40  $^{\circ}\text{F}$  to  $+158 \,^{\circ}\text{F}$ )

Cable Qualification Standards ANSI/ICEA S-83-596 | Telcordia GR-409

Environmental Space Plenum

Flame Test Listing NEC OFNP (ETL) and c(ETL)

Flame Test Method NFPA 262

**Environmental Test Specifications** 

**Heat Age** 0 °C to +85 °C (+32 °F to +185 °F)

**Heat Age Test Method** IEC 60794-1 F9

**Low High Bend**  $0 \degree \text{C to } +70 \degree \text{C (} +32 \degree \text{F to } +158 \degree \text{F)}$ 

**Low High Bend Test Method** FOTP-37 | IEC 60794-1 E11

**Temperature Cycle**  $0 \,^{\circ}\text{C to } +70 \,^{\circ}\text{C (+32 °F to } +158 \,^{\circ}\text{F)}$ 

**Temperature Cycle Test Method** FOTP-3 | IEC 60794-1 F1

Packaging and Weights

**Cable weight** 38 kg/km | 25.535 lb/kft

### Regulatory Compliance/Certifications

#### Agency Classification

ISO 9001:2015 Designed, manufactured and/or distributed under this quality management system



#### Included Products

CS-8G-MP – Enhanced Low Macrobending, Zero Water Peak, Dispersion-Unshifted Singlemode Fiber (ITU-T G.657.A2, B2)

#### \* Footnotes

**Operating Temperature** Specification applicable to non-terminated bulk fiber cable

