#### 760245029 l P-012-MZ-8G1-F12YL



Fiber indoor cable, Plenum MPO Trunk, interlocking aluminum armored with plenum jacket, 12 fiber, Singlemode G.657.A2, Gel-free, Feet jacket marking, Yellow jacket color

## **Product Classification**

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

> Feet 1

/Africa | North America

**Portfolio** CommScope®

**Product Type** Fiber indoor cable

**Product Series** P-MZ

# General Specifications

**Armor Type** Interlocking aluminum

**Cable Type** MPO trunk cable

**Construction Type** Armored **Subunit Type** Gel-free

**Jacket Color** Yellow

**Jacket Marking** 

Fibers per Subunit, quantity 12

**Total Fiber Count** 12

#### Dimensions

Subunit, quantity

**Buffer Tube/Subunit Diameter** 3 mm | 0.118 in

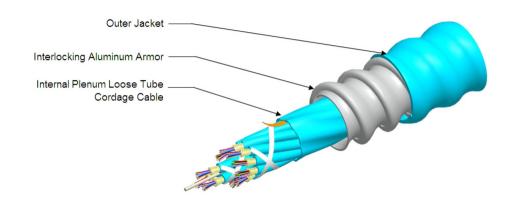
**Diameter Over Armor** 15.88 mm | 0.625 in

**Diameter Over Jacket** 17.9 mm | 0.705 in

# Representative Image



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# Mechanical Specifications

Minimum Bend Radius, loaded 269 mm | 10.591 in

Minimum Bend Radius, unloaded 179 mm | 7.047 in

**Tensile Load, long term, maximum** 400 N | 89.924 lbf

**Tensile Load, short term, maximum** 1335 N | 300.12 lbf

**Compression** 85 N/mm | 485.363 lb/in

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

Flex 300 cycles

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

**Impact** 35 N-m | 309.776 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** 160 m | 524.934 ft

**Optical Specifications** 

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

**Environmental Specifications** 

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

COMMSCSPE®

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**Operating Temperature** 0 °C to +70 °C (+32 °F to +158 °F)

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

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

Environmental Space Plenum

Flame Test Listing

NEC OFCP (ETL) and c(ETL)

Flame Test Method

NFPA 130 | 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 °C to +70 °C (+32 °F to +158 °F)

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

**Temperature Cycle** 0 °C to +70 °C (+32 °F to +158 °F)

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

Packaging and Weights

**Cable weight** 255 kg/km | 171.352 lb/kft

# Regulatory Compliance/Certifications

#### Agency Classification

CHINA-ROHS Below maximum concentration value

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

ROHS Compliant UK-ROHS Compliant



## Included Products

CS-8G1-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

