# 760163246 | P-048-MZ-5K-F24AQ

Fiber indoor cable, LazrSPEED® Plenum MPO Trunk, interlocking aluminum armored with plenum jacket, 48 fiber with 24 fiber subunits, Gel-free, Multimode OM4, Feet jacket marking, Aqua jacket color Multimode

#### **Product Classification**

Regional Availability

Asia | Australia/New Zealand | Latin America | Middle East

48

/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 TypeArmoredSubunit TypeGel-freeJacket ColorAquaJacket MarkingFeetSubunit, quantity2Fibers per Subunit, quantity24

Dimensions

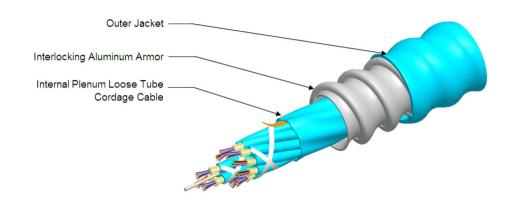
**Total Fiber Count** 

Buffer Tube/Subunit Diameter3.6 mm | 0.142 inDiameter Over Armor17.15 mm | 0.675 inDiameter Over Jacket19.18 mm | 0.755 in

Representative Image



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### Mechanical Specifications

Tensile Load, short term, maximum

Minimum Bend Radius, loaded288 mm11.339 inMinimum Bend Radius, unloaded192 mm7.559 inTensile Load, long term, maximum400 N | 89.924 lbf

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

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

1335 N | 300.12 lbf

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** 141 m | 462.598 ft

**Optical Specifications** 

**Fiber Type** OM4, LazrSPEED® 550 | OM4, LazrSPEED® 550

**Environmental Specifications** 

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

**COMMSCOPE®** 

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

**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** 289 kg/km | 194.199 lb/kft

### Regulatory Compliance/Certifications

Agency	Classification
CHINA-ROHS	Below maximum concentration value
ISO 9001:2015	$\label{thm:constraint} \mbox{Designed, manufactured and/or distributed under this quality management system}$
REACH-SVHC	Compliant as per SVHC revision on www.commscope.com/ProductCompliance
ROHS	Compliant
UK-ROHS	Compliant



#### Included Products

CS-5K-MP – LazrSPEED® 550 OM4 Bend-Insensitive Multimode

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#### \* Footnotes

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

