P-144-MZ-5K-F12

Fiber indoor cable, LazrSPEED® Plenum MPO Trunk, interlocking aluminum armored with plenum jacket, Multimode OM4, 144 fiber multi-unit with 12 fiber subunits, Feet cable marking

Product Classification

Regional Availability

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

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/Africa | North America

 Portfolio
 CommScope®

 Product Type
 Fiber indoor cable

Product Series P-MZ

General Specifications

Armor Type Interlocking aluminum

Cable TypeMPO trunk cable

Construction TypeArmoredSubunit TypeGel-freeJacket MarkingFeetSubunit, quantity12Fibers per Subunit, quantity12

Dimensions

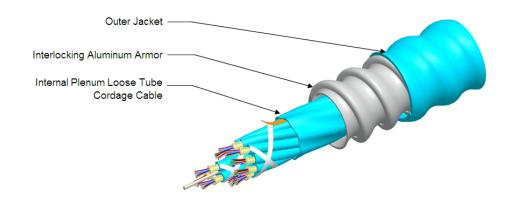
Total Fiber Count

Buffer Tube/Subunit Diameter3 mm | 0.118 inDiameter Over Armor20.96 mm | 0.825 inDiameter Over Jacket23 mm | 0.906 in

Representative Image



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Mechanical Specifications

Minimum Bend Radius, loaded 434 mm | 17.087 in Minimum Bend Radius, unloaded 304 mm | 11.969 in

Tensile Load, long term, maximum400 N | 89.924 lbfTensile Load, short term, maximum1335 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 104 m | 341.207 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)

COMMSCSPE®

P-144-MZ-5K-F12

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

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

Packaging and Weights

Cable weight 392 kg/km | 263.412 lb/kft

Regulatory Compliance/Certifications

Agency Classification

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



Included Products

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

Fiber

* Footnotes

Operating Temperature Specification applicable to non-terminated bulk fiber cable

