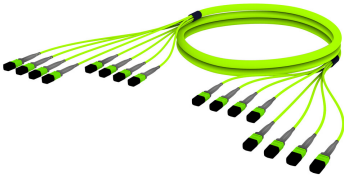# UHVMXMXAL

Ultra Low Loss (ULL) Multimode OM5 MPO12 (Pinned) to MPO12 (Pinned), Armored Pre-terminated Trunk Cable, 96-Fiber, Plenum

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**This product will be discontinued on: April 30, 2024**

Replaced By:

| UHVMXMXCL | Ultra Low Loss (ULL) OM5 MPO12 UPC (pinned) to MPO12 UPC (pinned) Fiber Trunk Cable Assembly, 96-Fiber, Armored Indoor Plenum |
|---|---|

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## Product Classification

| | |
|---|---|
| **Regional Availability** | Asia | Australia/New Zealand | China | Europe | India | Latin America | Middle East/Africa | North America |
| **Portfolio** | CommScope® |
| **Product Type** | Fiber trunk cable assembly |
| **Product Brand** | SYSTIMAX ULL |
| **Ordering Note** | For additional jacket colors, please contact a CommScope Sales Representative |

## General Specifications

| | |
|---|---|
| **Connector A, quantity** | 8 |
| **Color, boot A** | Black |
| **Color, connector A** | Lime green |
| **Connector B, quantity** | 8 |
| **Color, boot B** | Black |
| **Color, connector B** | Lime green |
| **Construction Type** | Armored | Stranded |
| **Furcation Color** | Lime green |
| **Interface, Connector A** | MPO-12/UPC Male |
| **Interface Feature, connector A** | Pinned |
| **Interface, Connector B** | MPO-12/UPC Male |
| **Interface Feature, connector B** | Pinned |

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# UHVMXMXAL

| | |
|---|---|
| **Jacket Color** | Lime green |
| **Polarity** | Method B Enhanced (ULL) |
| **Fibers per Subunit, quantity** | 12 |
| **Total Fibers, quantity** | 96 |

## Dimensions

| | |
|---|---|
| **Breakout Length** | 33 in |
| **Cable Assembly Length Range (m)** | 3 – 999 |
| **Cable Assembly Length Range (ft)** | 10 – 999 |

## Mechanical Specifications

| | |
|---|---|
| **Cable Retention Strength, maximum** | 11.24 lb @ 0 °   \|   4.40 lb @ 90 ° |

## Optical Specifications

| | |
|---|---|
| **Fiber Mode** | Multimode |
| **Fiber Type** | OM5, LazrSPEED® |

## Environmental Specifications

| | |
|---|---|
| **Operating Temperature** | -10 °C to +60 °C (+14 °F to +140 °F) |
| **Environmental Space** | Indoor   \|   Plenum |

## Regulatory Compliance/Certifications

| Agency | Classification |
|---|---|
| ANATEL | Compliant |
| CHINA-ROHS | Above maximum concentration value |
| REACH-SVHC | Compliant as per SVHC revision on www.commscope.com/ProductCompliance |
| ROHS | Compliant/Exempted |
| UK-ROHS | Compliant/Exempted |

## Included Products

| 760230250 P-096-MZ-5G-F12LM | – | Fiber indoor cable, LazrSPEED® Plenum MPO Trunk, interlocking aluminum armored with plenum jacket, Multimode OM5, 96 fiber multi-unit with 12 fiber subunits, Lime-green jacket color, Feet cable marking |
|---|---|---|
| 860617240 | | |

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# 760230250 | P-096-MZ-5G-F12LM

Fiber indoor cable, LazrSPEED® Plenum MPO Trunk, interlocking aluminum armored with plenum jacket, Multimode OM5, 96 fiber multi-unit with 12 fiber subunits, Lime-green jacket color, Feet cable marking

## Product Classification

| | |
|---|---|
| **Regional Availability** | Asia | Australia/New Zealand | Latin America | Middle East /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** | Lime green |
| **Jacket Marking** | Feet |
| **Subunit, quantity** | 8 |
| **Fibers per Subunit, quantity** | 12 |
| **Total Fiber Count** | 96 |

## Dimensions

| | |
|---|---|
| **Buffer Tube/Subunit Diameter** | 3 mm | 0.118 in |
| **Diameter Over Armor** | 18.42 mm | 0.725 in |
| **Diameter Over Jacket** | 20.4 mm | 0.803 in |

## Representative Image

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Outer Jacket
Interlocking Aluminum Armor
Internal Plenum Loose Tube Cordage Cable
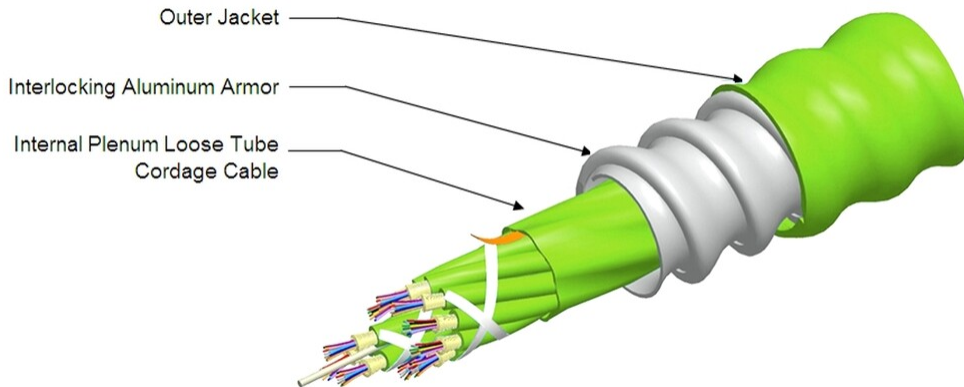
## Mechanical Specifications

| | |
|---|---|
| **Minimum Bend Radius, loaded** | 307 mm  |  12.087 in |
| **Minimum Bend Radius, unloaded** | 204 mm  |  8.032 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** | 111 m  |  364.173 ft |

## Optical Specifications

| | |
|---|---|
| **Fiber Type** | OM5, LazrSPEED® wideband   |  OM5, LazrSPEED® wideband |

## Environmental Specifications

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

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# 760230250 | P-096-MZ-5G-F12LM

| | |
|---|---|
| **Operating Temperature** | 0 °C to +70 °C (+32 °F to +158 °F) |
| **Storage Temperature** | -40 °C to +70 °C (-40 °F to +158 °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** | 367 kg/km | 246.613 lb/kft |

## Regulatory Compliance/Certifications

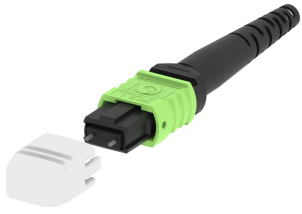| Agency | Classification |
|---|---|
| CHINA-ROHS | Below maximum concentration value |
| ISO 9001:2015 | Designed, manufactured and/or distributed under this quality management system |
| REACH-SVHC | Compliant as per SVHC revision on www.commscope.com/ProductCompliance |
| ROHS | Compliant |
| UK-ROHS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

## * Footnotes

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

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# 860617240

MPO12, ULTRA LOW LOSS, MALE, OM5, LIME, 3mm

## Product Classification

| | |
|---|---|
| **Regional Availability** | Asia  \|  Australia/New Zealand  \|  EMEA  \|  Latin America  \|  North America |
| **Portfolio** | CommScope® |
| **Product Type** | Fiber connector |
| **Product Brand** | LazrSPEED® |

## General Specifications

| | |
|---|---|
| **Color** | Lime green |
| **Color, boot** | Black |
| **Ferrule Geometry** | Flat |
| **Interface** | MPO/UPC Male |
| **Interface Feature** | Pinned |
| **Total Fiber Count** | 12 |

## Dimensions

| | |
|---|---|
| **Length** | 60.1 mm  \|  2.366 in |
| **Compatible Cable Diameter** | 3 mm  \|  0.118 in |

## Material Specifications

| | |
|---|---|
| **Ferrule Material** | Polymer |

## Mechanical Specifications

| | |
|---|---|
| **Cable Retention Strength, maximum** | 11.24 lb @ 0 ° |

## Optical Specifications

| | |
|---|---|
| **Fiber Mode** | Multimode |
| **Fiber Type** | OM5, LazrSPEED® wideband |
| **Insertion Loss Change, mating** | 0.3 dB |

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| | |
|---|---|
| **Optical Components Standard** | ANSI/TIA-568-C.3 |
| **Insertion Loss Change, temperature** | 0.3 dB |
| **Insertion Loss, maximum** | 0.2 dB |
| **Return Loss, minimum** | 27 dB |

## Packaging and Weights

| | |
|---|---|
| **Packaging quantity** | 1 |

## Regulatory Compliance/Certifications

| Agency | Classification |
|---|---|
| CHINA-ROHS | Above maximum concentration value |
| ISO 9001:2015 | Designed, manufactured and/or distributed under this quality management system |
| REACH-SVHC | Compliant as per SVHC revision on www.commscope.com/ProductCompliance |
| ROHS | Compliant/Exempted |
| UK-ROHS | Compliant |

## * Footnotes

| | |
|---|---|
| **Insertion Loss Change, mating** | TIA-568: Maximum insertion loss change after 500 matings |
| **Insertion Loss Change, temperature** | Maximum insertion loss change from -10 °C to +60 °C (+14 °F to +140 °F) |

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