# UKVQXUCTS

Ultra Low Loss (ULL) OM5 MPO8 UPC (pinned) to Unconnectorized Fiber Trunk Cable Assembly, 32-Fiber, Armored Indoor Dual Rated (OFNR /LSZH)

## Product Classification

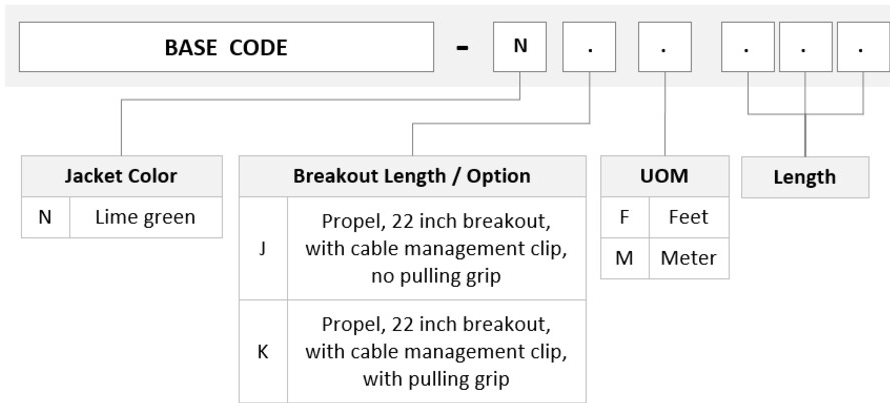| | |
|---|---|
| **Regional Availability** | Asia   \|   Australia/New Zealand   \|   China   \|   Europe   \|   India   \|   Latin America   \|   Middle East/Africa   \|   North America |
| **Portfolio** | CommScope® |
| **Product Type** | Fiber trunk cable assembly |
| **Product Brand** | Propel   \|   SYSTIMAX ULL |
| **Ordering Note** | For additional jacket colors, please contact a CommScope Sales Representative   \|   For lengths greater than 999 ft (304 m), orders must be in meters   \|   Minimum length may vary based on cable configuration |

## General Specifications

| | |
|---|---|
| **Connector A, quantity** | 4 |
| **Color, boot A** | Gray |
| **Color, connector A** | Lime green |
| **Connector B, quantity** | 0 |
| **Construction Type** | Armored   \|   Stranded |
| **Furcation Color** | Lime green |
| **Interface, Connector A** | MPO-08/UPC Male |
| **Interface, Connector B** | Unterminated |
| **Jacket Color** | Lime green |
| **Polarity** | Method B Enhanced (ULL) |
| **Fibers per Subunit, quantity** | 8 |
| **Total Fibers, quantity** | 32 |

## Dimensions

| | |
|---|---|
| **Breakout Length** | 22 in |
| **Cable Assembly Length Range (m)** | 3 – 305 |
| **Cable Assembly Length Range (ft)** | 10 – 999 |

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## Ordering Tree

| BASE CODE | - | N | . | . | . | . | . |

**Jacket Color**

| N | Lime green |

**Breakout Length / Option**

| J | Propel, 22 inch breakout, with cable management clip, no pulling grip |
| K | Propel, 22 inch breakout, with cable management clip, with pulling grip |

**UOM**

| F | Feet |
| M | Meter |

**Length**

## 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)

**EN50575 CPR Cable EuroClass Fire Performance**          Dca

**Environmental Space**          Dual Rated LSZH/Riser   |   Indoor

## Regulatory Compliance/Certifications

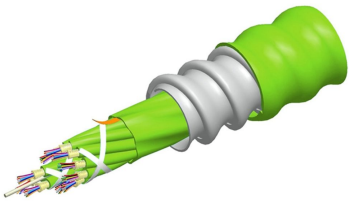| Agency | Classification |
|---|---|
| CHINA-ROHS | Above maximum concentration value |
| ISO 9001:2015 | Designed, manufactured and/or distributed under this quality management system |
| REACH-SVHC | Compliant as per SVHC revision on www.commscope.com/ProductCompliance |
| ROHS | Compliant/Exempted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

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## Included Products

| | | |
|---|---|---|
| 760256036<br>N-032-MZ-5G-F08LM/20T/B2 | – | Fiber indoor cable, Riser/LSZH rated, MPO Trunk, interlocking aluminum armored, Multimode OM5, 32 fiber, Gel-free, Feet jacket marking, Lime green jacket color, B2ca flame rating |
| 860659021 | – | MPO8, LL, MALE, OM5, LIME, 2MM |

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# 760256036   |   N-032-MZ-5G-F08LM/20T/B2

Fiber indoor cable, Riser/LSZH rated, MPO Trunk, interlocking aluminum armored, Multimode OM5, 32 fiber, Gel-free, Feet jacket marking, Lime green jacket color, B2ca flame rating

## Product Classification

| | |
|---|---|
| **Regional Availability** | Asia   |   Australia/New Zealand   |   EMEA   |   Latin America   |   North America |
| **Portfolio** | CommScope® |
| **Product Type** | Fiber indoor cable |
| **Product Series** | N-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** | 4 |
| **Fibers per Subunit, quantity** | 8 |
| **Total Fiber Count** | 32 |

## Dimensions

| | |
|---|---|
| **Buffer Tube/Subunit Diameter** | 2 mm   |   0.079 in |
| **Diameter Over Armor** | 13.3 mm   |   0.524 in |
| **Diameter Over Jacket** | 15.4 mm   |   0.606 in |

## Representative Image

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# 760256036 | N-032-MZ-5G-F08LM/20T/B2



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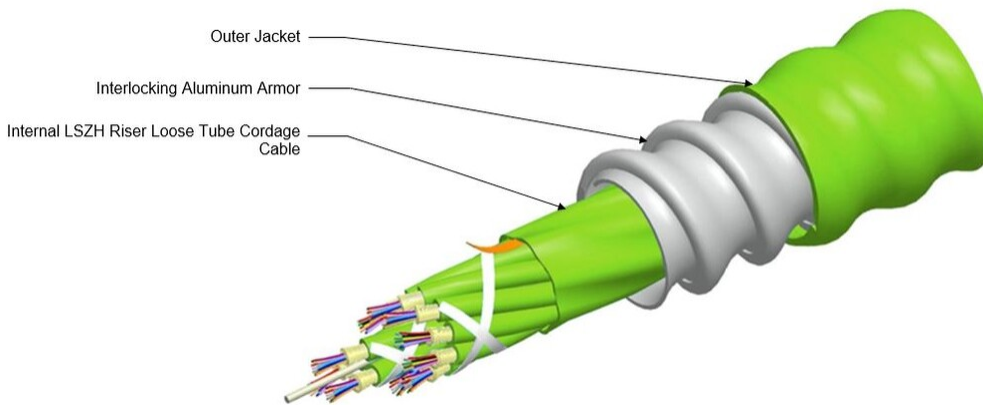
## Mechanical Specifications

| | |
|---|---|
| **Minimum Bend Radius, loaded** | 231 mm  \|  9.094 in |
| **Minimum Bend Radius, unloaded** | 154 mm  \|  6.063 in |
| **Tensile Load, long term, maximum** | 200 N  \|  44.962 lbf |
| **Tensile Load, short term, maximum** | 667 N  \|  149.948 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** | 109 m  \|  357.612 ft |

## Optical Specifications

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

## Environmental Specifications

| | |
|---|---|
| **Installation temperature** | 0 °C to +60 °C (+32 °F to +140 °F) |
| **Operating Temperature** | 0 °C to +70 °C (+32 °F to +158 °F) |

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| | |
|---|---|
| **Storage Temperature** | -40 °C to +70 °C (-40 °F to +158 °F) |
| **Cable Qualification Standards** | ANSI/ICEA S-83-596   |   Telcordia GR-409 |
| **EN50575 CPR Cable EuroClass Fire Performance** | B2ca |
| **EN50575 CPR Cable EuroClass Smoke Rating** | s1a |
| **EN50575 CPR Cable EuroClass Droplets Rating** | d1 |
| **EN50575 CPR Cable EuroClass Acidity Rating** | a1 |
| **Environmental Space** | Low Smoke Zero Halogen (LSZH)   |   Riser |
| **Flame Test Listing** | NEC OFCR-LS (ETL) and c(ETL) |
| **Flame Test Method** | IEC 60332-3   |   IEC 60754-2   |   IEC 61034-2   |   UL 1666   |   UL 1685 |

## 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** | 187 kg/km   |   125.658 lb/kft |

## * Footnotes

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

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# 860659021

MPO8, LL, MALE, OM5, LIME, 2MM

## 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** | Gray |
| **Ferrule Geometry** | Flat |
| **Interface** | MPO/UPC Male |
| **Interface Feature** | Pinned |
| **Total Fiber Count** | 8 |

## Dimensions

| | |
|---|---|
| **Length** | 60.1 mm | 2.366 in |
| **Compatible Cable Diameter** | 2 mm | 0.079 in |

## Material Specifications

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

## Mechanical Specifications

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

## Optical Specifications

| | |
|---|---|
| **Fiber Mode** | Singlemode |
| **Fiber Type** | OM5, LazrSPEED® |
| **Insertion Loss Change, mating** | 0.2 dB |
| **Optical Components Standard** | ANSI/TIA-568-C.3 |

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| | |
|---|---|
| **Insertion Loss, maximum** | 0.27 dB |
| **Return Loss, minimum** | 27 dB |

## Packaging and Weights

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

## * Footnotes

**Insertion Loss Change, mating**   TIA-568: Maximum insertion loss change after 500 matings

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