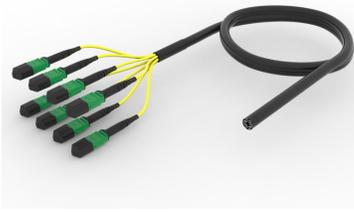# UJGMXUCDL

Base Product

Ultra Low Loss Singlemode MPO12 Pinned to Unconnectorized 96-Fiber Pre-terminated Trunk Cable, Indoor/Outdoor, Low Smoke Zero Halogen /Riser

## Product Classification

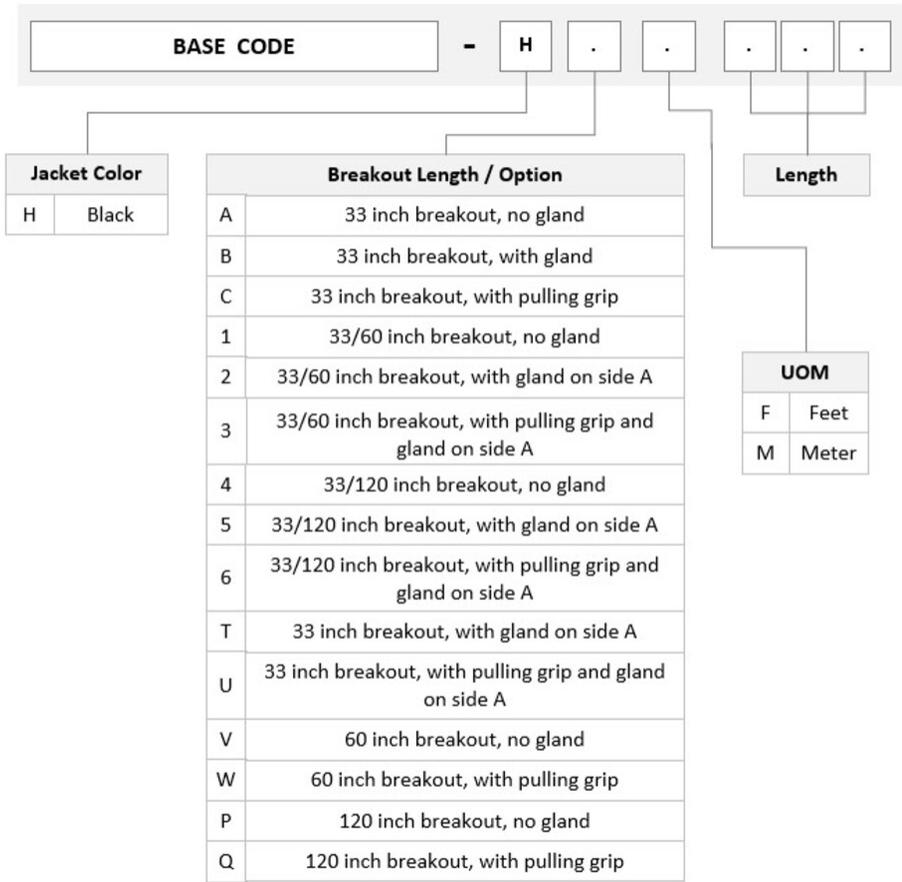| | |
|---|---|
| **Regional Availability** | Asia   \|   Australia/New Zealand   \|   China   \|   Europe   \|   India   \|   Latin America   \|   Middle East/Africa   \|   North America |
| **Portfolio** | CommScope® |
| **Product Type** | Fiber trunk cable assembly |
| **Product Brand** | SYSTIMAX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

## General Specifications

| | |
|---|---|
| **Color, boot A** | Black |
| **Color, connector A** | Green |
| **Construction Type** | Stranded |
| **Furcation Color** | Yellow |
| **Interface, Connector A** | MPO-12/APC Male |
| **Interface, Connector B** | Unterminated |
| **Jacket Color** | Black |
| **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 |

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# UJGMXUCDL

## Ordering Tree



| | Breakout Length / Option |
|---|---|
| A | 33 inch breakout, no gland |
| B | 33 inch breakout, with gland |
| C | 33 inch breakout, with pulling grip |
| 1 | 33/60 inch breakout, no gland |
| 2 | 33/60 inch breakout, with gland on side A |
| 3 | 33/60 inch breakout, with pulling grip and gland on side A |
| 4 | 33/120 inch breakout, no gland |
| 5 | 33/120 inch breakout, with gland on side A |
| 6 | 33/120 inch breakout, with pulling grip and gland on side A |
| T | 33 inch breakout, with gland on side A |
| U | 33 inch breakout, with pulling grip and gland on side A |
| V | 60 inch breakout, no gland |
| W | 60 inch breakout, with pulling grip |
| P | 120 inch breakout, no gland |
| Q | 120 inch breakout, with pulling grip |

| Jacket Color | |
|---|---|
| H | Black |

| UOM | |
|---|---|
| F | Feet |
| M | Meter |

## Mechanical Specifications

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

## Optical Specifications

| | |
|---|---|
| **Fiber Mode** | Singlemode |
| **Fiber Type** | G.657.A2, TeraSPEED® |

## Environmental Specifications

| | |
|---|---|
| **Operating Temperature** | -10 °C to +60 °C (+14 °F to +140 °F) |
| **Environmental Space** | Dual Rated LSZH/Riser   \|   Indoor/Outdoor |

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# UJGMXUCDL

## 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 |

## Included Products

| | | |
|--|--|--|
| 760238830<br>Z-096-MP-8G-F12BK/D | – | Fiber Indoor/Outdoor cable, Low Smoke Zero Halogen Riser MPO Trunk, Gel-Free, 96 fiber multi-unit with 12 fiber subunits, Singlemode G.657.A2/B2, Feet jacket marking, Black jacket color, Dca flame rating |
| 860638317 | – | MPO12, ULTRA LOW LOSS, MALE, Singlemode, GREEN, 3mm |
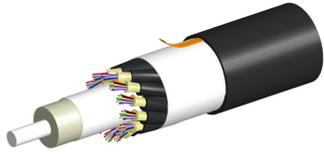
COMMSCOPE®

# 760238830   |   Z-096-MP-8G-F12BK/D

Fiber Indoor/Outdoor cable, Low Smoke Zero Halogen Riser MPO Trunk, Gel-Free, 96 fiber multi-unit with 12 fiber subunits, Singlemode G.657.A2 /B2, Feet jacket marking, Black jacket color, Dca flame rating

## Product Classification

| | |
|---|---|
| **Regional Availability** | Asia   |   Australia/New Zealand   |   EMEA   |   Latin America   |   North America |
| **Portfolio** | CommScope® |
| **Product Type** | Fiber indoor/outdoor cable |
| **Product Series** | Z-MP |

## General Specifications

| | |
|---|---|
| **Cable Type** | MPO trunk cable |
| **Construction Type** | Non-armored |
| **Subunit Type** | Gel-free |
| **Jacket Color** | Black |
| **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 Jacket** | 12.8 mm   |   0.504 in |

## Representative Image

COMMSCOPE®

# 760238830   |   Z-096-MP-8G-F12BK/D



Labels (top to bottom):
- LSZH Outer Jacket
- Ripcord
- Water Blocking Tape
- 12-Fiber Subunit with Arid-Core® (3.0mm)
- Water Blocking Tape
- Central Strength Member
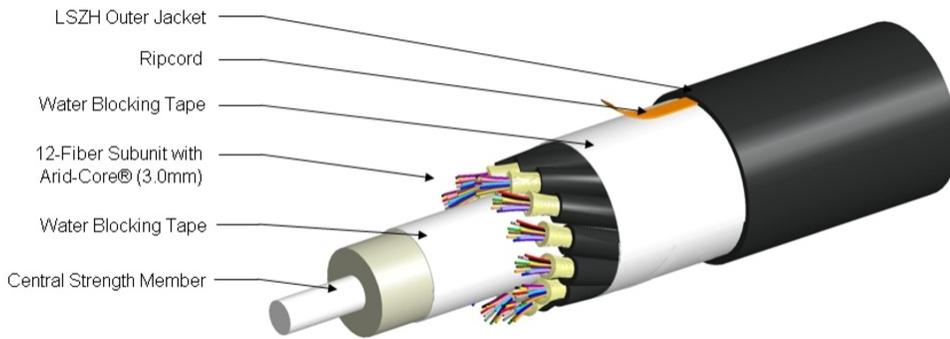
## Mechanical Specifications

| | |
|---|---|
| **Minimum Bend Radius, loaded** | 192 mm   \|   7.559 in |
| **Minimum Bend Radius, unloaded** | 128 mm   \|   5.039 in |
| **Tensile Load, long term, maximum** | 400 N   \|   89.924 lbf |
| **Tensile Load, short term, maximum** | 1335 N   \|   300.12 lbf |
| **Compression** | 10 N/mm   \|   57.101 lb/in |
| **Compression Test Method** | FOTP-41   \|   IEC 60794-1 E3 |
| **Flex** | 300 cycles |
| **Flex Test Method** | FOTP-104   \|   IEC 60794-1 E6 |
| **Impact** | 2.94 N-m   \|   26.021 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** | 282 m   \|   925.197 ft |

## Optical Specifications

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

## Environmental Specifications

| | |
|---|---|
| **Installation temperature** | -30 °C to +60 °C (-22 °F to +140 °F) |
| **Operating Temperature** | -40 °C to +70 °C (-40 °F to +158 °F) |
| **Storage Temperature** | -40 °C to +75 °C (-40 °F to +167 °F) |

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| | |
|---|---|
| **Cable Qualification Standards** | ANSI/ICEA S-83-596   |   Telcordia GR-409 |
| **EN50575 CPR Cable EuroClass Fire Performance** | Dca |
| **EN50575 CPR Cable EuroClass Smoke Rating** | s1b |
| **EN50575 CPR Cable EuroClass Droplets Rating** | d0 |
| **EN50575 CPR Cable EuroClass Acidity Rating** | a1 |
| **Environmental Space** | Low Smoke Zero Halogen (LSZH)   |   Riser |
| **Flame Test Listing** | NEC OFNR-ST1 (ETL) and c(ETL) |
| **Flame Test Method** | IEC 60332-3   |   IEC 60754-2   |   IEC 61034-2   |   UL 1666   |   UL 1685 |
| **Jacket UV Resistance** | UV stabilized |

## Environmental Test Specifications

| | |
|---|---|
| **Cable Freeze Test Method** | IEC 60794-1 F15 |
| **Heat Age** | -20 °C to +85 °C (-4 °F to +185 °F) |
| **Heat Age Test Method** | IEC 60794-1 F9 |
| **Low High Bend** | -20 °C to +70 °C (-4 °F to +158 °F) |
| **Low High Bend Test Method** | FOTP-37   |   IEC 60794-1 E11 |
| **Temperature Cycle** | -20 °C to +70 °C (-4 °F to +158 °F) |
| **Temperature Cycle Test Method** | FOTP-3   |   IEC 60794-1 F1 |

## Packaging and Weights

| | |
|---|---|
| **Cable weight** | 144.9 kg/km   |   97.368 lb/kft |

## Regulatory Compliance/Certifications

| Agency | Classification |
|---|---|
| CENELEC | EN 50575 compliant, Declaration of Performance (DoP) available |
| 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

COMMSCOPE®

# 860638317

MPO12, ULTRA LOW LOSS, MALE, Singlemode, GREEN, 3mm

## Product Classification

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

## General Specifications

| | |
|---|---|
| **Color** | Green |
| **Color, boot** | Black |
| **Ferrule Geometry** | Angled |
| **Interface** | MPO/APC 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 ° |
| **Mechanical Components Standard** | IEC 61754-7 |

## Optical Specifications

| | |
|---|---|
| **Fiber Mode** | Singlemode |
| **Fiber Type** | G.652.D and G.657.A1, TeraSPEED®   \|   OS2 |
| **Insertion Loss Change, mating** | 0.3 dB |

COMMSCOPE®

# 860638317

| | |
|---|---|
| **Optical Components Standard** | ANSI/TIA-568-C.3 |
| **Insertion Loss Change, temperature** | 0.3 dB |
| **Insertion Loss, maximum** | 0.35 dB |
| **Return Loss, minimum** | 65 dB |

## Packaging and Weights

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

## 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

| | |
|---|---|
| **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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