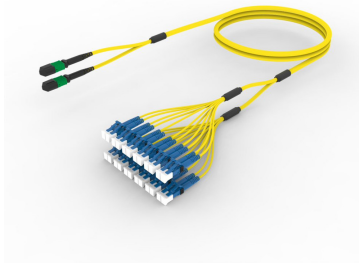


# UNGMXLGCF

## Base Product



Ultra Low Loss ULL TeraSPEED® MPO(Pinned) to LC/APC G B Ruggedized fanout Cable, 24-Fiber, LSZH, 12 fiber PmP 2.0 mm Dca

## Product Classification

|                              |  |
|------------------------------|--|
| <b>Regional Availability</b> | Asia   Australia/New Zealand   Europe   Latin America   Middle East/Africa   North America   |
| <b>Portfolio</b>             | CommScope®   |
| <b>Product Type</b>          | Ruggedized fanout  |
| <b>Product Brand</b>         | SYSTIMAX ULL   |
| <b>Ordering Note</b>         | 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

|                                       |                         |
|---------------------------------------|-------------------------|
| <b>Color, boot A</b>                  | Black                   |
| <b>Color, connector A</b>             | Green                   |
| <b>Color, boot B</b>                  | Green                   |
| <b>Color, connector B</b>             | Green                   |
| <b>Construction Type</b>              | Stranded                |
| <b>Furcation Color</b>                | Yellow                  |
| <b>Interface, Connector A</b>         | MPO-12/APC Male         |
| <b>Interface, Connector B</b>         | LC/APC                  |
| <b>Interface Feature, connector B</b> | Grade B performance     |
| <b>Jacket Color</b>                   | Yellow                  |
| <b>Polarity</b>                       | Method B Enhanced (ULL) |
| <b>Fibers per Subunit, quantity</b>   | 12                      |
| <b>Total Fibers, quantity</b>         | 24                      |

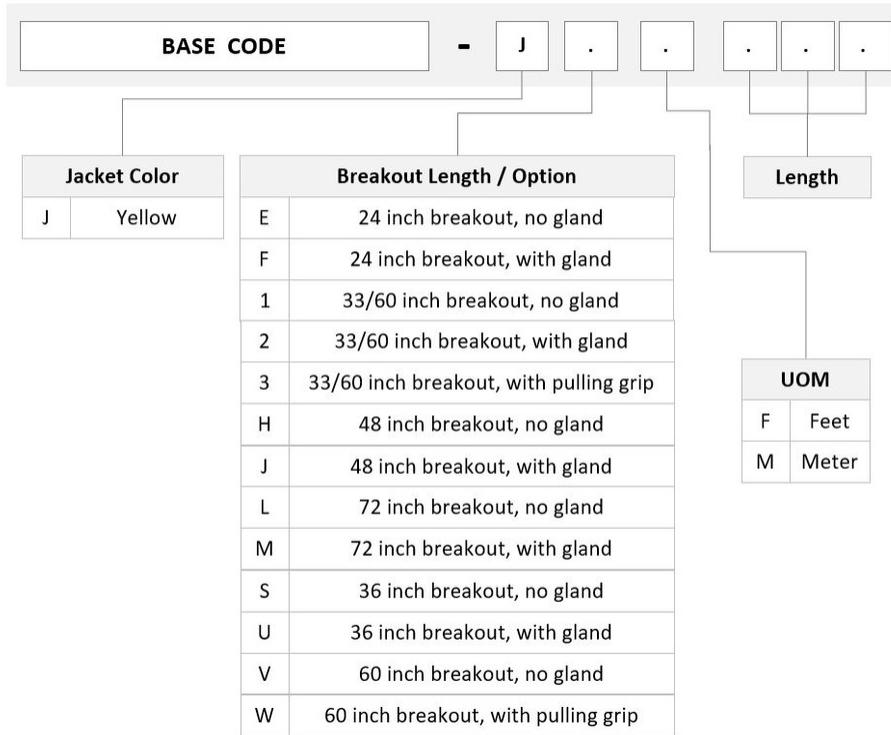
## Dimensions

# UNGMXLGCF

**Cable Assembly Length Range (m)** 3 – 999

**Cable Assembly Length Range (ft)** 10 – 999

## Ordering Tree



## 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)

**EN50575 CPR Cable EuroClass Fire Performance** Dca

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

## Regulatory Compliance/Certifications

| Agency | Classification |
|--------|----------------|
| ANATEL | Compliant      |

# UNGMXLGCF

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|               |  |
|---------------|--|
| 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 <a href="http://www.commscope.com/ProductCompliance">www.commscope.com/ProductCompliance</a> |
| ROHS          | Compliant  |
| UK-ROHS       | Compliant  |



## Included Products

- |                                       |   |   |
|---------------------------------------|---|---|
| 760246345<br>N-024-MP-8G1-F12YL/20T/D | - | Fiber indoor cable, Low Smoke Zero Halogen Riser MPO Trunk, 24 fiber with 12 fiber 2.0mm subunits, Singlemode G.657.A2/B2, Gel-free, Feet jacket marking, Yellow jacket color, Dca Flame rating |
| 860637445                             | - | LC/APC Connector, Singlemode, Green   |
| 860659010                             | - | MPO-12, ULTRA LOW LOSS, MALE, Singlemode, GREEN, 2mm  |



Fiber indoor cable, Low Smoke Zero Halogen Riser MPO Trunk, 24 fiber with 12 fiber 2.0mm subunits, Singlemode G.657.A2/B2, Gel-free, Feet jacket marking, Yellow jacket color, Dca Flame rating

## Product Classification

|                              |   |
|------------------------------|---|
| <b>Regional Availability</b> | Asia   Australia/New Zealand   EMEA   Latin America   North America |
| <b>Portfolio</b>             | CommScope®  |
| <b>Product Type</b>          | Fiber indoor cable  |
| <b>Product Series</b>        | N-MP  |

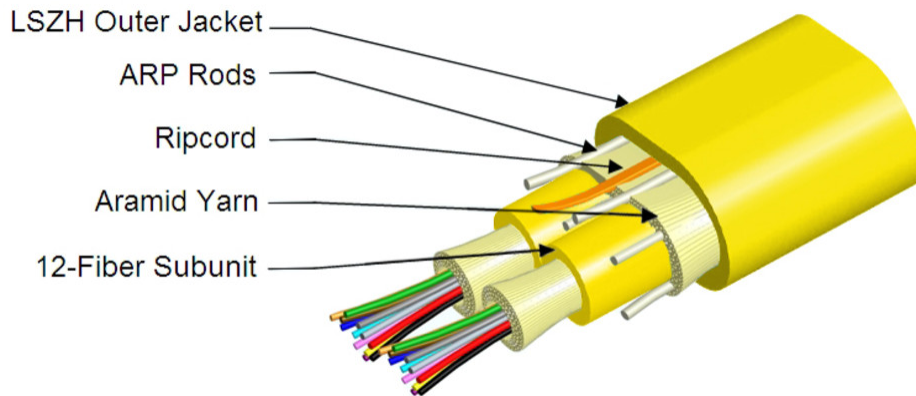
## General Specifications

|                                     |                 |
|-------------------------------------|-----------------|
| <b>Cable Type</b>                   | MPO trunk cable |
| <b>Construction Type</b>            | Non-armored     |
| <b>Subunit Type</b>                 | Gel-free        |
| <b>Jacket Color</b>                 | Yellow          |
| <b>Jacket Marking</b>               | Feet            |
| <b>Subunit, quantity</b>            | 2               |
| <b>Fibers per Subunit, quantity</b> | 12              |
| <b>Total Fiber Count</b>            | 24              |

## Dimensions

|                                     |                   |
|-------------------------------------|-------------------|
| <b>Height Over Jacket</b>           | 4.5 mm   0.177 in |
| <b>Width Over Jacket</b>            | 6.2 mm   0.244 in |
| <b>Buffer Tube/Subunit Diameter</b> | 2 mm   0.079 in   |

## Representative Image



## Mechanical Specifications

|  |                                       |
|--|---------------------------------------|
| <b>Minimum Bend Radius, loaded</b>       | 67 mm   2.638 in                      |
| <b>Minimum Bend Radius, unloaded</b>     | 45 mm   1.772 in                      |
| <b>Tensile Load, long term, maximum</b>  | 200 N   44.962 lbf                    |
| <b>Tensile Load, short term, maximum</b> | 667 N   149.948 lbf                   |
| <b>Compression</b>                       | 10 N/mm   57.101 lb/in                |
| <b>Compression Test Method</b>           | FOTP-41   IEC 60794-1 E3              |
| <b>Flex</b>                              | 300 cycles                            |
| <b>Flex Test Method</b>                  | FOTP-104   IEC 60794-1 E6             |
| <b>Impact</b>                            | 2.94 N-m   26.021 in lb               |
| <b>Impact Test Method</b>                | FOTP-25   IEC 60794-1 E4              |
| <b>Strain</b>                            | See long and short term tensile loads |
| <b>Strain Test Method</b>                | FOTP-33   IEC 60794-1 E1              |
| <b>Twist</b>                             | 10 cycles                             |
| <b>Twist Test Method</b>                 | FOTP-85   IEC 60794-1 E7              |
| <b>Vertical Rise, maximum</b>            | 500 m   1,640.42 ft                   |

## Optical Specifications

|                   |                   |
|-------------------|-------------------|
| <b>Fiber Type</b> | G.657.A2/B2   OS2 |
|-------------------|-------------------|

## Environmental Specifications

|                                 |                                    |
|---------------------------------|------------------------------------|
| <b>Installation temperature</b> | 0 °C to +60 °C (+32 °F to +140 °F) |
|---------------------------------|------------------------------------|

# 760246345 | N-024-MP-8G1-F12YL/20T/D

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|   |   |
|---|---|
| <b>Operating Temperature</b>                        | 0 °C to +70 °C (+32 °F to +158 °F)                          |
| <b>Storage Temperature</b>                          | -40 °C to +70 °C (-40 °F to +158 °F)                        |
| <b>Cable Qualification Standards</b>                | ANSI/ICEA S-83-596   Telcordia GR-409                       |
| <b>EN50575 CPR Cable EuroClass Fire Performance</b> | Dca   |
| <b>EN50575 CPR Cable EuroClass Smoke Rating</b>     | s1a   |
| <b>EN50575 CPR Cable EuroClass Droplets Rating</b>  | d1  |
| <b>EN50575 CPR Cable EuroClass Acidity Rating</b>   | a1  |
| <b>Environmental Space</b>                          | Low Smoke Zero Halogen (LSZH)   Riser                       |
| <b>Flame Test Listing</b>                           | NEC OFNR-ST1 (ETL) and c(ETL)                               |
| <b>Flame Test Method</b>                            | IEC 60332-3   IEC 60754-2   IEC 61034-2   UL 1666   UL 1685 |

## Environmental Test Specifications

|                                      |                                    |
|--------------------------------------|------------------------------------|
| <b>Heat Age</b>                      | 0 °C to +85 °C (+32 °F to +185 °F) |
| <b>Heat Age Test Method</b>          | IEC 60794-1 F9                     |
| <b>Low High Bend</b>                 | 0 °C to +60 °C (+32 °F to +140 °F) |
| <b>Low High Bend Test Method</b>     | FOTP-37   IEC 60794-1 E11          |
| <b>Temperature Cycle</b>             | 0 °C to +70 °C (+32 °F to +158 °F) |
| <b>Temperature Cycle Test Method</b> | FOTP-3   IEC 60794-1 F1            |

## Packaging and Weights

|                     |                          |
|---------------------|--------------------------|
| <b>Cable weight</b> | 33 kg/km   22.175 lb/kft |
|---------------------|--------------------------|

## \* Footnotes

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

## LC/APC Connector, Singlemode, Green



### Product Classification

|                              |   |
|------------------------------|---|
| <b>Regional Availability</b> | Asia   Australia/New Zealand   EMEA   Latin America   North America |
| <b>Portfolio</b>             | CommScope®  |
| <b>Product Type</b>          | Fiber connector   |

### General Specifications

|                       |        |
|-----------------------|--------|
| <b>Color, boot</b>    | Green  |
| <b>Color, housing</b> | Green  |
| <b>Interface</b>      | LC/APC |

### Dimensions

|                                  |                                     |
|----------------------------------|-------------------------------------|
| <b>Length</b>                    | 41.6 mm   1.638 in                  |
| <b>Compatible Cable Diameter</b> | 1.6 mm   0.063 in   2 mm   0.079 in |

### Material Specifications

|                         |          |
|-------------------------|----------|
| <b>Ferrule Material</b> | Zirconia |
|-------------------------|----------|

### Mechanical Specifications

|  |                |
|--|----------------|
| <b>Cable Retention Strength, maximum</b> | 11.24 lb @ 0 ° |
|--|----------------|

### Optical Specifications

|   |                                 |
|---|---------------------------------|
| <b>Fiber Mode</b>                         | Singlemode                      |
| <b>Insertion Loss Change, mating</b>      | 0.2 dB                          |
| <b>Optical Components Standard</b>        | ANSI/TIA-568. 3-D   IEC 61753-1 |
| <b>Insertion Loss Change, temperature</b> | 0.2 dB                          |
| <b>Insertion Loss, ULL, maximum</b>       | 0.34 dB                         |
| <b>Return Loss, minimum</b>               | 65 dB                           |

## Regulatory Compliance/Certifications

| Agency     | Classification   |
|------------|--|
| CHINA-ROHS | Below maximum concentration value  |
| REACH-SVHC | Compliant as per SVHC revision on <a href="http://www.commscope.com/ProductCompliance">www.commscope.com/ProductCompliance</a> |
| ROHS       | Compliant  |
| UK-ROHS    | Compliant/Exempted   |



### \* 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)



# 860659010

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MPO-12, ULTRA LOW LOSS, MALE, Singlemode, GREEN, 2mm

## Product Classification

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

## General Specifications

|                          |              |
|--------------------------|--------------|
| <b>Color</b>             | Green        |
| <b>Color, boot</b>       | Black        |
| <b>Ferrule Geometry</b>  | Angled       |
| <b>Interface</b>         | MPO/APC Male |
| <b>Interface Feature</b> | Pinned       |
| <b>Total Fiber Count</b> | 12           |

## Dimensions

|                                  |                 |
|----------------------------------|-----------------|
| <b>Compatible Cable Diameter</b> | 2 mm   0.079 in |
|----------------------------------|-----------------|

## Material Specifications

|                         |         |
|-------------------------|---------|
| <b>Ferrule Material</b> | Polymer |
|-------------------------|---------|

## Optical Specifications

|                                     |                  |
|-------------------------------------|------------------|
| <b>Fiber Mode</b>                   | Singlemode       |
| <b>Fiber Type</b>                   | G.657.A2         |
| <b>Optical Components Standard</b>  | ANSI/TIA-568-C.3 |
| <b>Insertion Loss, ULL, maximum</b> | 0.35 dB          |
| <b>Return Loss, minimum</b>         | 65 dB            |

## Packaging and Weights

# 860659010

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**Packaging quantity**

1