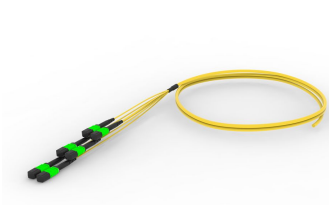


# UGGMXUCAK

Base Product



Ultra Low Loss (ULL) Singlemode MPO12 (Pinned) to Unconnectorized, Fiber Trunk Cable Assembly, 72-Fiber, Plenum

## 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                 | Yellow                  |
| Polarity                     | Method B Enhanced (ULL) |
| Fibers per Subunit, quantity | 12                      |
| Total Fibers, quantity       | 72                      |

## Dimensions

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

# UGGMXUCAK

Cable Assembly Length Range (ft) 10 – 999

## Ordering Tree



## 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** Indoor | Plenum

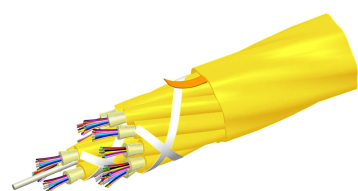
## Regulatory Compliance/Certifications

| Agency        | Classification   |
|---------------|--|
| ANATEL        | Compliant  |
| ISO 9001:2015 | Designed, manufactured and/or distributed under this quality management system |



## Included Products

|                    |   |   |
|--------------------|---|---|
| 760237968          | – | Fiber indoor cable, Plenum MPO Trunk, 72 fiber multi-unit with 12 fiber subunits, Singlemode G. |
| P-072-MP-8G1-F12YL |   | 657.A2/B2, Feet jacket marking, Yellow jacket color   |
| 860638317          | – | MP012, ULTRA LOW LOSS, MALE, Singlemode, GREEN, 3mm   |



Fiber indoor cable, Plenum MPO Trunk, 72 fiber multi-unit with 12 fiber subunits, Singlemode G.657.A2/B2, Feet jacket marking, Yellow jacket color

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-MP   |

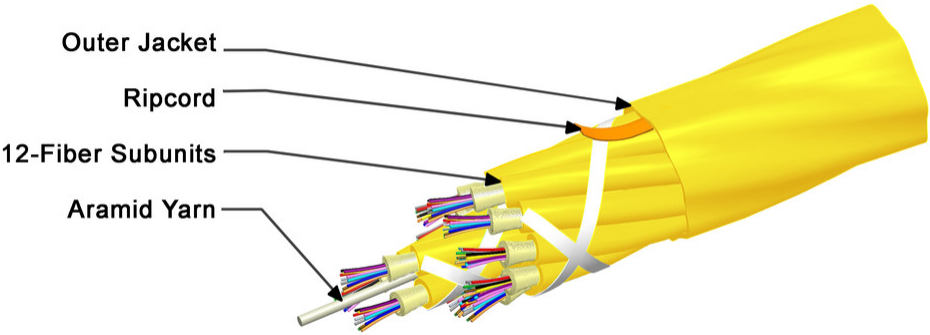
General Specifications

|                              |                 |
|------------------------------|-----------------|
| Cable Type                   | MPO trunk cable |
| Construction Type            | Non-armored     |
| Subunit Type                 | Gel-free        |
| Jacket Color                 | Yellow          |
| Jacket Marking               | Feet            |
| Subunit, quantity            | 6               |
| Fibers per Subunit, quantity | 12              |
| Total Fiber Count            | 72              |

Dimensions

|                              |                    |
|------------------------------|--------------------|
| Buffer Tube/Subunit Diameter | 3 mm   0.118 in    |
| Diameter Over Jacket         | 10.7 mm   0.421 in |

Representative Image



### Mechanical Specifications

|                                   |                                       |
|-----------------------------------|---------------------------------------|
| Minimum Bend Radius, loaded       | 161 mm   6.339 in                     |
| Minimum Bend Radius, unloaded     | 107 mm   4.213 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                            | 0.74 N-m   6.55 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            | 368 m   1,207.349 ft                  |

### Optical Specifications

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

### Environmental Specifications

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

|                               |                                       |
|-------------------------------|---------------------------------------|
| 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 OFNP (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 | 111 kg/km   74.589 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 |
| ROHS          | Compliant  |
| UK-ROHS       | Compliant  |



\* Footnotes

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



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                                 |

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