

# UGGMXMXCM

## Base Product



Ultra Low Loss ULL TeraSPEED® MPO(Pinned) to MPO(Pinned) Pre-terminated Trunk Cable, MPO12, 144-Fiber, Plenum, 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>          | Fiber trunk cable assembly                                                                                                                                                                               |
| <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 |

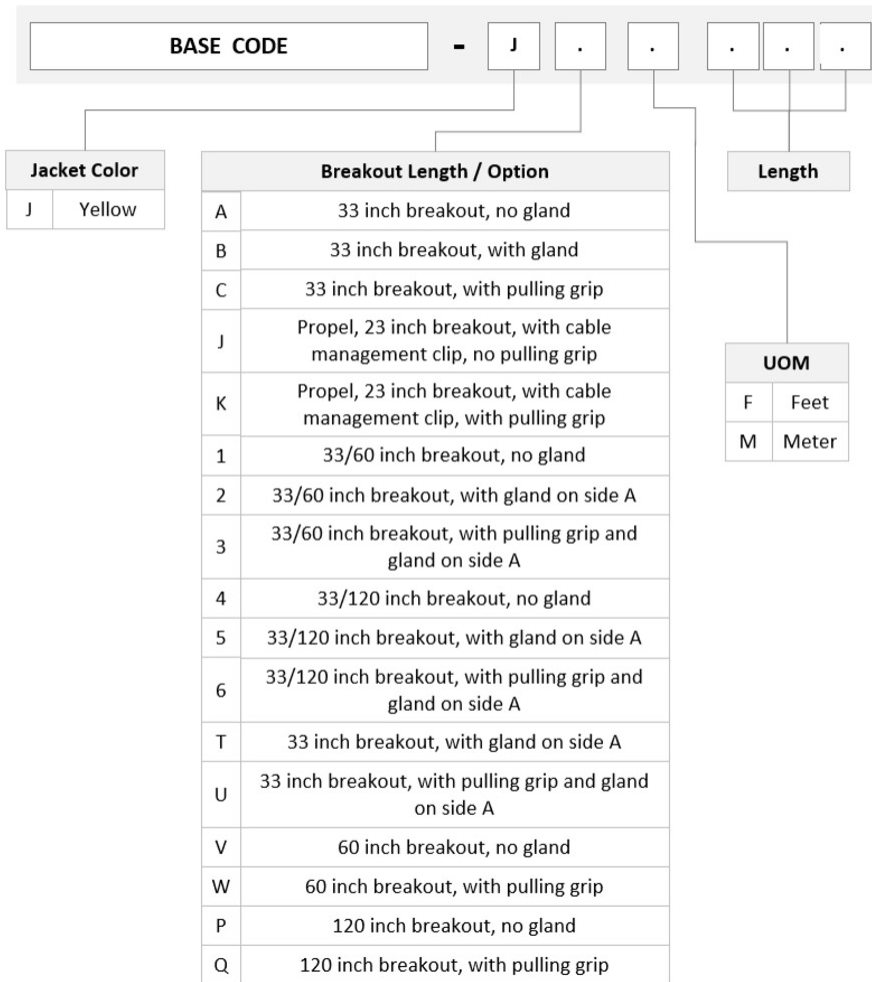
## General Specifications

|                                     |                         |
|-------------------------------------|-------------------------|
| <b>Color, boot A</b>                | Black                   |
| <b>Color, connector A</b>           | Green                   |
| <b>Color, boot B</b>                | Black                   |
| <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>       | MPO-12/APC Male         |
| <b>Jacket Color</b>                 | Yellow                  |
| <b>Polarity</b>                     | Method B Enhanced (ULL) |
| <b>Fibers per Subunit, quantity</b> | 12                      |
| <b>Total Fibers, quantity</b>       | 144                     |

## Dimensions

|                                         |          |
|-----------------------------------------|----------|
| <b>Breakout Length</b>                  | 33 in    |
| <b>Cable Assembly Length Range (m)</b>  | 3 – 999  |
| <b>Cable Assembly Length Range (ft)</b> | 10 – 999 |

## Ordering Tree



## Optical Specifications

|                   |                      |
|-------------------|----------------------|
| <b>Fiber Mode</b> | Singlemode           |
| <b>Fiber Type</b> | G.657.A2, TeraSPEED® |

## Environmental Specifications

|                                                     |                                      |
|-----------------------------------------------------|--------------------------------------|
| <b>Operating Temperature</b>                        | -10 °C to +60 °C (+14 °F to +140 °F) |
| <b>EN50575 CPR Cable EuroClass Fire Performance</b> | Dca                                  |
| <b>Environmental Space</b>                          | Indoor   Plenum                      |

# UGGMXXMXCM

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## Regulatory Compliance/Certifications

| <b>Agency</b> | <b>Classification</b>                                                                                                          |
|---------------|--------------------------------------------------------------------------------------------------------------------------------|
| ANATEL        | Compliant                                                                                                                      |
| 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 <a href="http://www.commscope.com/ProductCompliance">www.commscope.com/ProductCompliance</a> |
| ROHS          | Compliant/Exempted                                                                                                             |
| UK-ROHS       | Compliant/Exempted                                                                                                             |



## Included Products

- 760242061 – Fiber Indoor Cable, Plenum MPO Trunk, 144 fiber multi-unit with 12 fiber subunits, Singlemode G.657.A2/B2, Gel-free, Feet jacket marking, Yellow jacket color
- P-144-MP-8G-F12YL/20T –
- 860659010 – MPO-12, ULTRA LOW LOSS, MALE, Singlemode, GREEN, 2mm



Fiber Indoor Cable, Plenum MPO Trunk, 144 fiber multi-unit with 12 fiber subunits, Singlemode G.657.A2/B2, Gel-free, Feet jacket marking, Yellow jacket color

## Product Classification

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

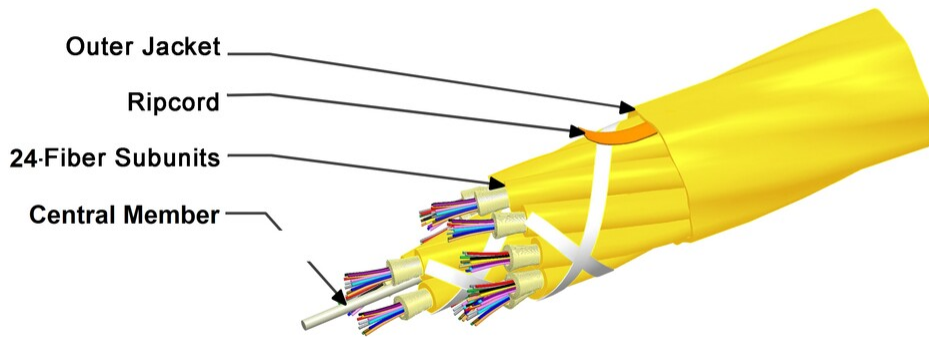
## General Specifications

|                                     |                 |
|-------------------------------------|-----------------|
| <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>            | 12              |
| <b>Fibers per Subunit, quantity</b> | 12              |
| <b>Total Fiber Count</b>            | 144             |

## Dimensions

|                                     |                    |
|-------------------------------------|--------------------|
| <b>Buffer Tube/Subunit Diameter</b> | 2 mm   0.079 in    |
| <b>Diameter Over Jacket</b>         | 11.8 mm   0.465 in |

## Representative Image



## Mechanical Specifications

|                                          |                                       |
|------------------------------------------|---------------------------------------|
| <b>Minimum Bend Radius, loaded</b>       | 172 mm   6.772 in                     |
| <b>Minimum Bend Radius, unloaded</b>     | 115 mm   4.528 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>                            | 0.74 N-m   6.55 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   G.657.A2/B2 |
|-------------------|---------------------------|

## Environmental Specifications

|                                 |                                    |
|---------------------------------|------------------------------------|
| <b>Installation temperature</b> | 0 °C to +70 °C (+32 °F to +158 °F) |
|---------------------------------|------------------------------------|

# 760242061 | P-144-MP-8G-F12YL/20T

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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>Environmental Space</b>           | Plenum                                |
| <b>Flame Test Listing</b>            | NEC OFNP (ETL) and c(ETL)             |
| <b>Flame Test Method</b>             | NFPA 130   NFPA 262                   |

## 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 +70 °C (+32 °F to +158 °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> | 143 kg/km   96.092 lb/kft |
|---------------------|---------------------------|

## Regulatory Compliance/Certifications

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

## \* Footnotes

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

# 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