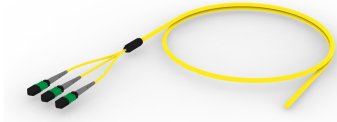


# UJGQPUCTF

## Base Product



Ultra Low Loss (ULL) Singlemode MPO8 (Non-Pinned) to unconnectorized, Fiber Trunk Cable Assembly, 24-Fiber, Dual Rated (OFNR/LSZH)

## Product Classification

|                              |  |
|------------------------------|--|
| <b>Regional Availability</b> | Asia   Australia/New Zealand   China   Europe   India   Latin America   Middle East/Africa   North America   |
| <b>Portfolio</b>             | CommScope®   |
| <b>Product Type</b>          | Fiber trunk cable assembly   |
| <b>Product Brand</b>         | Propel   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>Connector A, quantity</b>        | 3                       |
| <b>Color, boot A</b>                | Gray                    |
| <b>Color, connector A</b>           | Green                   |
| <b>Connector B, quantity</b>        | 0                       |
| <b>Construction Type</b>            | Stranded                |
| <b>Furcation Color</b>              | Yellow                  |
| <b>Interface, Connector A</b>       | MPO-08/APC Female       |
| <b>Interface, Connector B</b>       | Unterminated            |
| <b>Jacket Color</b>                 | Yellow                  |
| <b>Polarity</b>                     | Method B Enhanced (ULL) |
| <b>Fibers per Subunit, quantity</b> | 8                       |
| <b>Total Fibers, quantity</b>       | 24                      |

## Dimensions

|   |          |
|---|----------|
| <b>Breakout Length</b>                  | 22 in    |
| <b>Cable Assembly Length Range (m)</b>  | 3 – 305  |
| <b>Cable Assembly Length Range (ft)</b> | 10 – 999 |

# UJGQPUCTF

## 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** Dual Rated LSZH/Riser | Indoor

## Regulatory Compliance/Certifications

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



## Included Products

|                                       |   |   |
|---------------------------------------|---|---|
| 760245571<br>N-024-MP-8G1-F08YL/20T/D | - | Fiber indoor cable, Low Smoke Zero Halogen Riser MPO Trunk, 24 fiber multi-unit with 8 fiber 2.0 mm subunits, Singlemode G.657.A2/B2, Feet jacket marking, Yellow jacket color, Dca flame |
|---------------------------------------|---|---|





Fiber indoor cable, Low Smoke Zero Halogen Riser MPO Trunk, 24 fiber multi-unit with 8 fiber 2.0 mm subunits, Singlemode G.657.A2/B2, 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>            | 3               |
| <b>Fibers per Subunit, quantity</b> | 8               |
| <b>Total Fiber Count</b>            | 24              |

## Dimensions

|                                     |                 |
|-------------------------------------|-----------------|
| <b>Buffer Tube/Subunit Diameter</b> | 2 mm   0.079 in |
| <b>Diameter Over Jacket</b>         | 7 mm   0.276 in |

## Mechanical Specifications

|  |                          |
|--|--------------------------|
| <b>Minimum Bend Radius, loaded</b>       | 105 mm   4.134 in        |
| <b>Minimum Bend Radius, unloaded</b>     | 70 mm   2.756 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 |

# 760245571 | N-024-MP-8G1-F08YL/20T/D

|                               |                                       |
|-------------------------------|---------------------------------------|
| <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> | 387 m   1,269.685 ft                  |

## Optical Specifications

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

## Environmental Specifications

|   |   |
|---|---|
| <b>Installation temperature</b>                     | 0 °C to +60 °C (+32 °F to +140 °F)                          |
| <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>                 | -20 °C to +70 °C (-4 °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

**Cable weight**

43.3 kg/km | 29.096 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 <a href="http://www.commscope.com/ProductCompliance">www.commscope.com/ProductCompliance</a> |
| ROHS          | Compliant  |
| UK-ROHS       | Compliant  |



## \* Footnotes

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

# 860659028

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MPO-08, ULTRA LOW LOSS, FEMALE, 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 Female |
| <b>Interface Feature</b> | Unpinned       |
| <b>Total Fiber Count</b> | 8              |

## 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, maximum</b>     | 0.35 dB          |
| <b>Return Loss, minimum</b>        | 65 dB            |

## Packaging and Weights

**Packaging quantity** 1

## Regulatory Compliance/Certifications

| <b>Agency</b> | <b>Classification</b>  |
|---------------|--|
| 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  |
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