

# UGGQXUCZ8

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Hybrid Ultra Low Loss (ULL) Singlemode G.657.A2 MPO8 (Pinned) to Unconnectorized , 4 Pair 16AWG Constellation Trunk Cable Assembly, 8-Fiber, Plenum

## 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>          | Hybrid cable assembly   4-pair   |
| <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

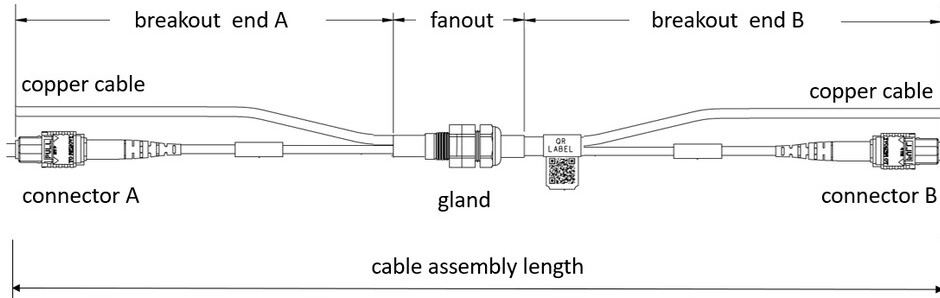
|                                     |                                |
|-------------------------------------|--------------------------------|
| <b>Conductor Capacitance</b>        | 75.459 pF/m   23 pF/ft         |
| <b>Conductor Resistance</b>         | 14.698 ohms/km   4.48 ohms/kft |
| <b>Conductor Type</b>               | 16 AWG   Stranded              |
| <b>Conductors, quantity</b>         | 8                              |
| <b>Conductor Pairs, quantity</b>    | 4                              |
| <b>Connector A, quantity</b>        | 1                              |
| <b>Color, boot A</b>                | Gray                           |
| <b>Color, connector A</b>           | Green                          |
| <b>Construction Type</b>            | Hybrid standard trunk          |
| <b>Furcation Color</b>              | Yellow                         |
| <b>Interface, Connector A</b>       | MPO-08/APC Male                |
| <b>Jacket Color</b>                 | Yellow                         |
| <b>Polarity</b>                     | Method B Enhanced (ULL)        |
| <b>Fibers per Subunit, quantity</b> | 8                              |
| <b>Total Fibers, quantity</b>       | 8                              |

## Dimensions

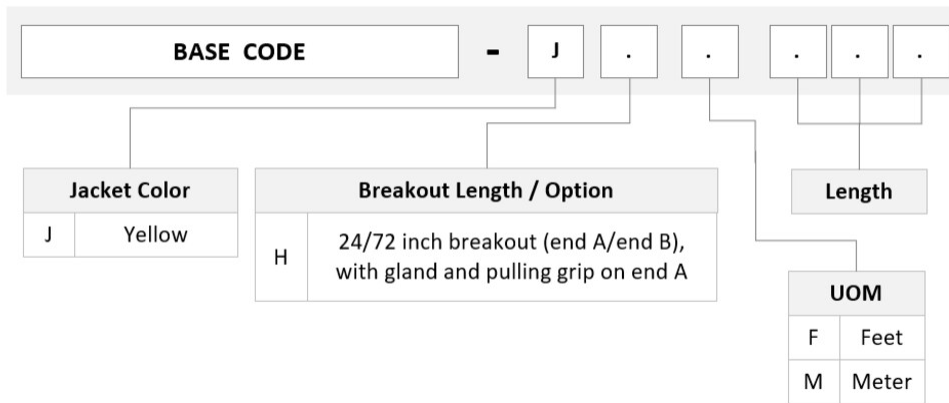
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|   |               |
|---|---------------|
| <b>Breakout Length</b>                  | 24 in   72 in |
| <b>Cable Assembly Length Range (m)</b>  | 10 – 999      |
| <b>Cable Assembly Length Range (ft)</b> | 33 – 999      |

## Dimension Drawing



## Ordering Tree



## Mechanical Specifications

|  |                               |
|--|-------------------------------|
| <b>Cable Retention Strength, maximum</b> | 11.24 lb @ 0°   4.40 lb @ 90° |
|--|-------------------------------|

## Optical Specifications

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

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## Environmental Specifications

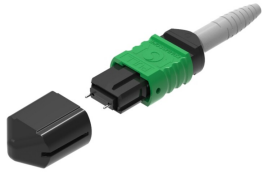
|                                |                                      |
|--------------------------------|--------------------------------------|
| <b>Operating Temperature</b>   | -10 °C to +60 °C (+14 °F to +140 °F) |
| <b>Environmental Space</b>     | Indoor   Plenum                      |
| <b>Qualification Standards</b> | GR-3108 class 4                      |

## Included Products

- 860659022 – MPO-08, ULTRA LOW LOSS, MALE, Singlemode, GREEN, 2mm

# 860659022

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MPO-08, 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> | 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, ULL, typical</b> | 0.35 dB          |
| <b>Return Loss, minimum</b>         | 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](http://www.commscope.com/ProductCompliance)

ROHS

Compliant

UK-ROHS

Compliant

