

Base Product



Ultra Low Loss (ULL) Singlemode, MPO12 Pinned to Unconnectorized, Fiber Trunk Cable Assembly, 288-Fiber, Rollable Ribbon Central Tube, Low Smoke Zero Halogen/Riser

## Product Classification

|                       |  |
|-----------------------|--|
| Regional Availability | Asia   Australia/New Zealand   Europe   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 |

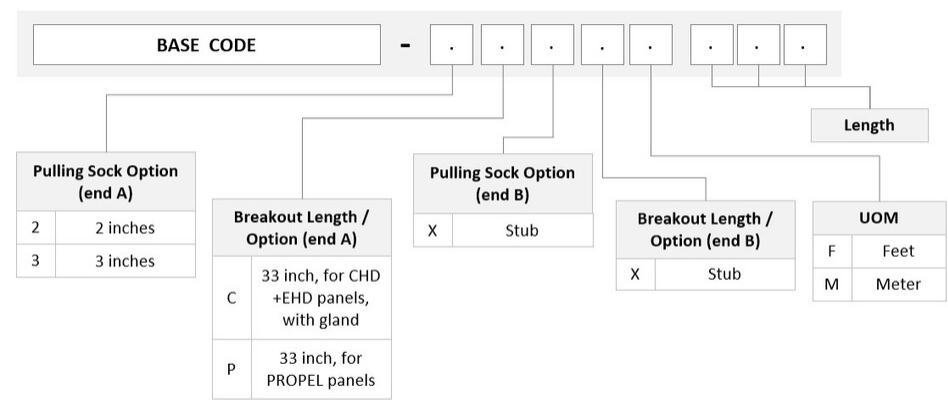
## General Specifications

|                              |                         |
|------------------------------|-------------------------|
| Color, boot A                | Black                   |
| Color, connector A           | Green                   |
| Construction Type            | Rollable ribbon         |
| 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       | 288                     |

## Dimensions

|                                  |          |
|----------------------------------|----------|
| Cable Assembly Length Range (m)  | 3 – 999  |
| 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** Dual Rated LSZH/Riser

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

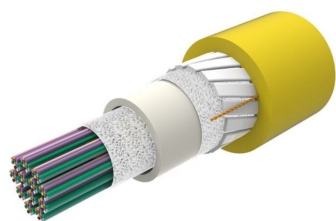


# UJGMXUCRP

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## Included Products

- |                             |   |   |
|-----------------------------|---|---|
| 760239308                   | – | Fiber indoor outdoor cable, All-Dielectric, LSZH/Riser-Rated, Gel-Free, Central Tube Rollable         |
| N-288-CN-RR-F12YL/8G1/99G/C |   | Ribbon, 288 fiber, Singlemode G.657.A2/B2, Feet jacket marking, Yellow jacket color, Cca flame rating |
| 860638317                   | – | MPO12, ULTRA LOW LOSS, MALE, Singlemode, GREEN, 3mm   |



Fiber indoor outdoor cable, All-Dielectric, LSZH/Riser-Rated, Gel-Free, Central Tube Rollable Ribbon, 288 fiber, Singlemode G.657.A2/B2, Feet jacket marking, Yellow jacket color, Cca flame rating

Product Classification

|                       |   |
|-----------------------|---|
| Regional Availability | Asia   Australia/New Zealand   EMEA   Latin America   North America |
| Portfolio             | CommScope®  |
| Product Type          | Fiber indoor/outdoor cable  |
| Product Series        | N-CN  |

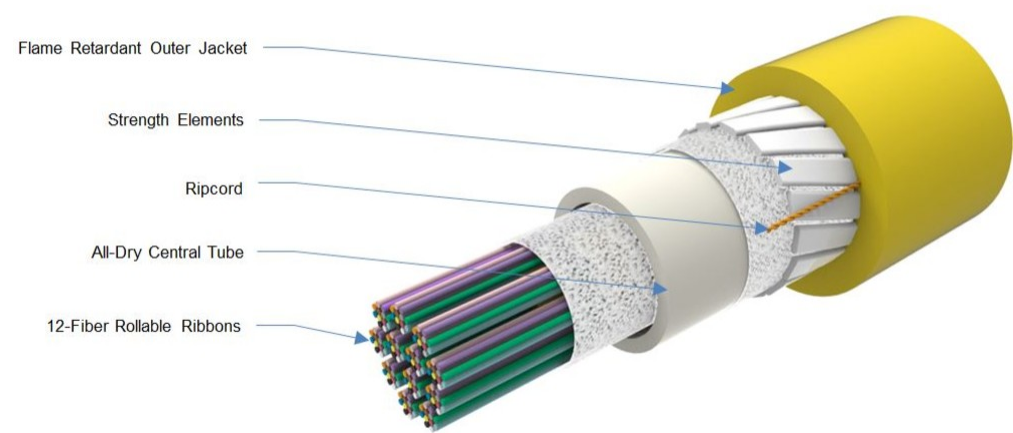
General Specifications

|                             |                     |
|-----------------------------|---------------------|
| Cable Type                  | Ribbon central tube |
| Construction Type           | Non-armored         |
| Subunit Type                | Gel-free            |
| Fibers per Ribbon, quantity | 12                  |
| Jacket Color                | Yellow              |
| Jacket Marking              | Feet                |
| Total Fiber Count           | 288                 |

Dimensions

|                              |                    |
|------------------------------|--------------------|
| Buffer Tube/Subunit Diameter | 8.1 mm   0.319 in  |
| Diameter Over Jacket         | 12.5 mm   0.492 in |

Representative Image



## Mechanical Specifications

|                                    |                                       |
|------------------------------------|---------------------------------------|
| Minimum Bend Radius, loaded        | 254 mm   10 in                        |
| Minimum Bend Radius, storage coils | 508 mm   20 in                        |
| Minimum Bend Radius, unloaded      | 77 mm   3.031 in                      |
| Tensile Load, long term, maximum   | 800 N   179.847 lbf                   |
| Tensile Load, short term, maximum  | 2700 N   606.984 lbf                  |
| Compression                        | 10 N/mm   57.101 lb/in                |
| Compression Test Method            | FOTP-41   IEC 60794-1 E3              |
| Flex                               | 25 cycles                             |
| Flex Test Method                   | FOTP-104   IEC 60794-1 E6             |
| Impact                             | 2.94 N-m   26.021 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              |

## Optical Specifications

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

## Environmental Specifications

|                          |                                     |
|--------------------------|-------------------------------------|
| Installation temperature | -20 °C to +60 °C (-4 °F to +140 °F) |
|--------------------------|-------------------------------------|

# 760239308 | N-288-CN-RR-F12YL/8G1/99G/C

|  |   |
|--|---|
| Operating Temperature                        | -40 °C to +70 °C (-40 °F to +158 °F)                                    |
| Storage Temperature                          | -40 °C to +70 °C (-40 °F to +158 °F)                                    |
| Cable Qualification Standards                | ANSI/ICEA S-104-696   EN 187105   Telcordia GR-409                      |
| EN50575 CPR Cable EuroClass Fire Performance | Cca   |
| EN50575 CPR Cable EuroClass Smoke Rating     | s1a   |
| EN50575 CPR Cable EuroClass Droplets Rating  | d0  |
| EN50575 CPR Cable EuroClass Acidity Rating   | a1  |
| Environmental Space                          | Low Smoke Zero Halogen (LSZH)   Riser                                   |
| Flame Test Listing                           | NEC OFNR-ST1 (ETL) and c(ETL)   |
| Flame Test Method                            | CSA FT4   IEC 60332-1-2   IEC 60754-2   IEC 61034-2   UL 1666   UL 1685 |
| Water Penetration                            | 24 h  |
| Water Penetration Test Method                | FOTP-82   IEC 60794-1 F5  |
| Environmental Test Specifications            |   |
| Cable Freeze                                 | -2 °C   28.4 °F   |
| Cable Freeze Test Method                     | FOTP-98   IEC 60794-1 F15   |
| Heat Age                                     | -40 °C to +85 °C (-40 °F to +185 °F)                                    |
| Heat Age Test Method                         | IEC 60794-1 F9  |
| Low High Bend                                | -20 °C to +60 °C (-4 °F to +140 °F)                                     |
| Low High Bend Test Method                    | FOTP-37   IEC 60794-1 E11   |
| Temperature Cycle                            | -20 °C to +70 °C (-4 °F to +158 °F)                                     |
| Temperature Cycle Test Method                | FOTP-3   IEC 60794-1 F1   |
| Packaging and Weights                        |   |
| Cable weight                                 | 168 kg/km   112.891 lb/kft  |

## Regulatory Compliance/Certifications

| Agency        | Classification   |
|---------------|--|
| CENELEC       | EN 50575 compliant, Declaration of Performance (DoP) available                 |
| ISO 9001:2015 | Designed, manufactured and/or distributed under this quality management system |



\* Footnotes

# 760239308 | N-288-CN-RR-F12YL/8G1/99G/C

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**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   |
|---------------|--|
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| 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) |