

# PPLAJG8LCQPS

---

Propel ULL Singlemode Cabled Module, 4x8 duplex LC Propel module on End A to 1x8f MPO /UPC non-pinned on End B, 32 fiber LSZH Trunk, Method A

- This component requires 2 of the 12 lanes on the Propel Panel blade
- Ultra-low loss (ULL) with Method A polarity
- End A module can be installed from rear of panel
- Serialized QR code provides easy access to factory optical test results

## Product Classification

|                              |  |
|------------------------------|--|
| <b>Regional Availability</b> | Asia   Australia/New Zealand   EMEA   Latin America   North America                              |
| <b>Portfolio</b>             | SYSTIMAX®  |
| <b>Product Type</b>          | Fiber cabled module  |
| <b>Product Brand</b>         | Propel   |
| <b>Product Series</b>        | PPL  |
| <b>Ordering Note</b>         | For lengths greater than 999 ft (304 m), orders must be in meters   Maximum length is 400 meters |

## General Specifications

|                                     |                                |
|-------------------------------------|--------------------------------|
| <b>Configuration Type</b>           | PROPEL Module to MPO Connector |
| <b>Cable Color</b>                  | Yellow                         |
| <b>Cable Type</b>                   | Trunk Cable - LSZH             |
| <b>Interface, front</b>             | LC/UPC                         |
| <b>Interface Feature, front</b>     | Duplex   Shuttered             |
| <b>Interface Color, front</b>       | Blue                           |
| <b>Interface, rear</b>              | MPO-08/UPC Female              |
| <b>Interface Feature, rear</b>      | Key up/down   Unpinned         |
| <b>Module Size, end A</b>           | 8 fiber                        |
| <b>Module Size, end B</b>           | 8 fiber                        |
| <b>Module Quantity, end A</b>       | 4                              |
| <b>Module Quantity, end B</b>       | 4                              |
| <b>Polarity</b>                     | Method A                       |
| <b>Total Fibers, quantity</b>       | 32                             |
| <b>Total Ports, quantity, front</b> | 16                             |

# PPLAJG8LCQPS

## Dimensions

|   |  |
|---|--|
| <b>Height</b>                           | 11 mm   0.433 in                                       |
| <b>Width</b>                            | 98 mm   3.858 in                                       |
| <b>Depth</b>                            | 170 mm   6.693 in                                      |
| <b>Breakout Length, end B</b>           | 12 in   120 in   33 in   36 in   48 in   60 in   72 in |
| <b>Cable Assembly Length Range (m)</b>  | 1 – 400  |
| <b>Cable Assembly Length Range (ft)</b> | 2 – 999  |

## Ordering Tree



## Optical Specifications

|                                |            |
|--------------------------------|------------|
| <b>Fiber Mode</b>              | Singlemode |
| <b>Fiber Type</b>              | OS2        |
| <b>Insertion Loss, maximum</b> | 0.6 dB     |

## Environmental Specifications

|                                |                           |
|--------------------------------|---------------------------|
| <b>Qualification Standards</b> | IEC 61753-1   TIA-568.3-D |
| <b>Safety Standard</b>         | c-UL-us                   |

## Packaging and Weights

|                           |   |
|---------------------------|---|
| <b>Packaging quantity</b> | 1 |
|---------------------------|---|

# PPLAJG8LCQPS

---

## Regulatory Compliance/Certifications

| Agency     | Classification   |
|------------|--|
| CHINA-ROHS | Below maximum concentration value  |
| 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  |



## Included Products

|                                       |   |  |
|---------------------------------------|---|--|
| 760245572<br>N-032-MP-8G1-F08YL/20T/D | - | Fiber indoor cable, Low Smoke Zero Halogen Riser MPO Trunk, 32 fiber multi-unit with 8 fiber 2.0 mm subunits, Singlemode G.657.A2/B2, Feet jacket marking, Yellow jacket color, Dca flame rating |
|---------------------------------------|---|--|



Fiber indoor cable, Low Smoke Zero Halogen Riser MPO Trunk, 32 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>            | 4               |
| <b>Fibers per Subunit, quantity</b> | 8               |
| <b>Total Fiber Count</b>            | 32              |

## Dimensions

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

## Representative Image



## 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              |
| <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>            | 381 m   1250 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) |

# 760245572 | N-032-MP-8G1-F08YL/20T/D

|   |   |
|---|---|
| <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

|                     |                            |
|---------------------|----------------------------|
| <b>Cable weight</b> | 43.8 kg/km   29.432 lb/kft |
|---------------------|----------------------------|

## Regulatory Compliance/Certifications

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