

# PPLUJGFLCLCH



Propel ULL Singlemode Cabled Module, 2x2f duplex LC Propel module on End A to 2x24 on End B, 48 fiber LSZH Trunk, Method B Enhanced

- This component requires 6 of the 12 lanes on the Propel Panel blade
- Ultra-low loss (ULL) with Method B Enhanced 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>         | End B module is the same module as End A   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 PROPEL Module |
| <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>          | LC/UPC                         |
| <b>Interface Feature, rear</b>  | Duplex   Shuttered             |
| <b>Interface Color, rear</b>    | Blue                           |
| <b>Module Size, end A</b>       | 24 fiber                       |
| <b>Module Size, end B</b>       | 24 fiber                       |
| <b>Module Quantity, end A</b>   | 2                              |
| <b>Module Quantity, end B</b>   | 2                              |
| <b>Polarity</b>                 | Method B Enhanced (ULL)        |
| <b>Total Fibers, quantity</b>   | 48                             |

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**Total Ports, quantity, front** 24

**Total Ports, quantity, rear** 24

## Dimensions

**Height** 11 mm | 0.433 in

**Width** 196 mm | 7.717 in

**Depth** 170 mm | 6.693 in

**Breakout Length, end B** 23 in

**Cable Assembly Length Range (m)** 1 – 400

**Cable Assembly Length Range (ft)** 2 – 999

## Ordering Tree



## Optical Specifications

**Fiber Mode** Singlemode

**Fiber Type** OS2

**Insertion Loss, maximum** 0.6 dB

## Environmental Specifications

**Qualification Standards** IEC 61753-1 | TIA-568.3-D

**Safety Standard** c-UL-us

## Packaging and Weights

**Packaging quantity** 1

## Regulatory Compliance/Certifications

**Agency** **Classification**

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|            |                                   |
|------------|-----------------------------------|
| CHINA-ROHS | Above maximum concentration value |
| ROHS       | Compliant/Exempted                |
| UK-ROHS    | Compliant                         |



## Included Products

|  |   |  |
|--|---|--|
| 760255393<br>N-048-MP-8G1-F24YL/30T/B2 | - | Fiber indoor cable, Low Smoke Zero Halogen Riser MPO Trunk, 48 fiber with 24-fiber, 3.0 mm subunits, Singlemode G.657.A2/B2, Feet jacket marking, Yellow jacket color, B2ca flame rating |
|--|---|--|



Fiber indoor cable, Low Smoke Zero Halogen Riser MPO Trunk, 48 fiber with 24-fiber, 3.0 mm subunits, Singlemode G.657.A2/B2, Feet jacket marking, Yellow jacket color, B2ca 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> | 2               |
| <b>Total Fiber Count</b> | 48              |

## Dimensions

|                                     |                   |
|-------------------------------------|-------------------|
| <b>Height Over Jacket</b>           | 6.4 mm   0.252 in |
| <b>Width Over Jacket</b>            | 9.4 mm   0.37 in  |
| <b>Buffer Tube/Subunit Diameter</b> | 3 mm   0.118 in   |

## Representative Image



## Mechanical Specifications

|  |                                       |
|--|---------------------------------------|
| <b>Minimum Bend Radius, loaded</b>       | 96 mm   3.78 in                       |
| <b>Minimum Bend Radius, unloaded</b>     | 64 mm   2.52 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>                              | 25 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>            | 300 m   984.252 ft                    |

## Optical Specifications

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

## Environmental Specifications

|                                 |                                    |
|---------------------------------|------------------------------------|
| <b>Installation temperature</b> | 0 °C to +50 °C (+32 °F to +122 °F) |
|---------------------------------|------------------------------------|

# 760255393 | N-048-MP-8G1-F24YL/30T/B2

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|   |                                       |
|---|---------------------------------------|
| <b>Operating Temperature</b>                        | 0 °C to +60 °C (+32 °F to +140 °F)    |
| <b>Storage Temperature</b>                          | -40 °C to +60 °C (-40 °F to +140 °F)  |
| <b>Cable Qualification Standards</b>                | ANSI/ICEA S-83-596   Telcordia GR-409 |
| <b>EN50575 CPR Cable EuroClass Fire Performance</b> | B2ca                                  |
| <b>EN50575 CPR Cable EuroClass Smoke Rating</b>     | s1a                                   |
| <b>EN50575 CPR Cable EuroClass Droplets Rating</b>  | d0                                    |
| <b>EN50575 CPR Cable EuroClass Acidity Rating</b>   | a1                                    |
| <b>Environmental Space</b>                          | Low Smoke Zero Halogen (LSZH)         |
| <b>Flame Test Method</b>                            | IEC 60754-2   IEC 61034-2             |

## 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> | 68 kg/km   45.694 lb/kft |
|---------------------|--------------------------|

## \* Footnotes

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