

# PPLUQG8LCLC8



Propel ULL Singlemode Cabled Module, 1x4 duplex LC Propel module on End A to 1x4 duplex LC Propel Module on End B, 8 fiber Plenum patch cord cable, Method B Enhanced

- This component requires 2 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   Modules with patch cord cable are single subunit, and have no additional outer jacket |

## General Specifications

|                                 |                                |
|---------------------------------|--------------------------------|
| <b>Configuration Type</b>       | PROPEL Module to PROPEL Module |
| <b>Cable Color</b>              | Yellow                         |
| <b>Cable Type</b>               | Patch cord Plenum              |
| <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>       | 8 fiber                        |
| <b>Module Size, end B</b>       | 8 fiber                        |
| <b>Module Quantity, end A</b>   | 1                              |
| <b>Module Quantity, end B</b>   | 1                              |
| <b>Polarity</b>                 | Method B Enhanced (ULL)        |

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|                                     |   |
|-------------------------------------|---|
| <b>Total Fibers, quantity</b>       | 8 |
| <b>Total Ports, quantity, front</b> | 4 |
| <b>Total Ports, quantity, rear</b>  | 4 |

## Dimensions

|   |                   |
|---|-------------------|
| <b>Height</b>                           | 11 mm   0.433 in  |
| <b>Width</b>                            | 65 mm   2.559 in  |
| <b>Depth</b>                            | 170 mm   6.693 in |
| <b>Breakout Length, end B</b>           | 23 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 |
|---------------------------|---|

## Regulatory Compliance/Certifications

# PPLUQG8LCLC8

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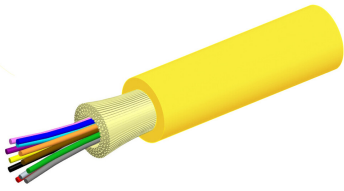
| Agency     | Classification                    |
|------------|-----------------------------------|
| CHINA-ROHS | Above maximum concentration value |
| ROHS       | Compliant/Exempted                |
| UK-ROHS    | Compliant/Exempted                |



## Included Products

- 760248402 - Fiber indoor cable, TeraSPEED® Plenum for Light Duty MPO Patchcords, 8 fiber, Singlemode G.  
P-008-MP-8G1-F20YL 657.A2/B2, Feet jacket marking, Yellow jacket color

# 760248402 | P-008-MP-8G1-F20YL



Fiber indoor cable, TeraSPEED® Plenum for Light Duty MPO Patchcords, 8 fiber, Singlemode G.657.A2/B2, Feet jacket marking, Yellow jacket color

## Product Classification

|                              |   |
|------------------------------|---|
| <b>Regional Availability</b> | Asia   Australia/New Zealand   Latin America   Middle East/Africa   North America |
| <b>Portfolio</b>             | CommScope®  |
| <b>Product Type</b>          | Fiber indoor cable  |
| <b>Product Series</b>        | P-MP  |

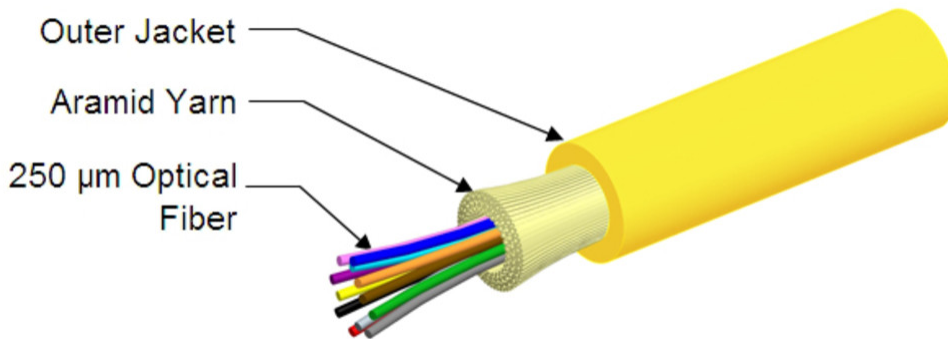
## General Specifications

|                          |                 |
|--------------------------|-----------------|
| <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>Total Fiber Count</b> | 8               |

## Dimensions

|                             |                 |
|-----------------------------|-----------------|
| <b>Diameter Over Jacket</b> | 2 mm   0.079 in |
|-----------------------------|-----------------|

## Representative Image



## Mechanical Specifications

|  |                                       |
|--|---------------------------------------|
| <b>Minimum Bend Radius, loaded</b>       | 38 mm   1.496 in                      |
| <b>Minimum Bend Radius, unloaded</b>     | 16 mm   0.63 in                       |
| <b>Tensile Load, long term, maximum</b>  | 33 N   7.419 lbf                      |
| <b>Tensile Load, short term, maximum</b> | 111 N   24.954 lbf                    |
| <b>Compression</b>                       | 4 N/mm   22.841 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>                            | 0.74 N-m   6.55 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>            | 500 m   1,640.42 ft                   |

## Optical Specifications

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

## Environmental Specifications

|                                      |                                       |
|--------------------------------------|---------------------------------------|
| <b>Installation temperature</b>      | 0 °C to +70 °C (+32 °F to +158 °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>Environmental Space</b>           | Plenum                                |
| <b>Flame Test Listing</b>            | NEC OFNP (ETL) and c(ETL)             |
| <b>Flame Test Method</b>             | NFPA 130   NFPA 262                   |

## 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) |

# 760248402 | P-008-MP-8G1-F20YL

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|                                      |                                    |
|--------------------------------------|------------------------------------|
| <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> | 4.3 kg/km   2.889 lb/kft |
|---------------------|--------------------------|

## \* Footnotes

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