

# PPLAGXDLCMXM



Propel ULL Multimode OM4 Cabled Module, 12x12 duplex LC Propel module on End A to 1x12f MPO/UPC pinned on End B, 144 fiber Plenum Trunk, Method A

- This component requires 3 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>              | Aqua                           |
| <b>Cable Type</b>               | Trunk Cable - Plenum           |
| <b>Interface, front</b>         | LC/UPC                         |
| <b>Interface Feature, front</b> | Duplex   Shuttered             |
| <b>Interface Color, front</b>   | Aqua                           |
| <b>Interface, rear</b>          | MPO-12/UPC Male                |
| <b>Interface Feature, rear</b>  | Key up/down   Pinned           |
| <b>Module Size, end A</b>       | 12 fiber                       |
| <b>Module Size, end B</b>       | 12 fiber                       |
| <b>Module Quantity, end A</b>   | 12                             |
| <b>Module Quantity, end B</b>   | 12                             |
| <b>Polarity</b>                 | Method A                       |
| <b>Total Fibers, quantity</b>   | 144                            |

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**Total Ports, quantity, front** 72

## Dimensions

**Height** 11 mm | 0.433 in

**Width** 196 mm | 7.717 in

**Depth** 170 mm | 6.693 in

**Breakout Length, end B** 12 in | 20 in | 33 in | 36 in | 48 in | 60 in | 72 in

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

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

## Ordering Tree



## Optical Specifications

**Fiber Mode** Multimode

**Fiber Type** OM4

**Insertion Loss, maximum** 0.35 dB

## Environmental Specifications

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

**Safety Standard** c-UL-us

## Packaging and Weights

# PPLAGXDLCMXM

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**Packaging quantity** 1

## Regulatory Compliance/Certifications

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



## Included Products

- 760242124 P-144-MP-5K-F12AQ/20T – Fiber indoor cable, LazrSPEED® Plenum MPO Trunk, 144 fiber multi-unit with 12 fiber subunits, Multimode OM4, Gel-free, Feet jacket marking, Aqua jacket color



Fiber indoor cable, LazrSPEED® Plenum MPO Trunk, 144 fiber multi-unit with 12 fiber subunits, Multimode OM4, Gel-free, Feet jacket marking, Aqua 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>                 | Aqua            |
| <b>Jacket Marking</b>               | Feet            |
| <b>Subunit, quantity</b>            | 12              |
| <b>Fibers per Subunit, quantity</b> | 12              |
| <b>Total Fiber Count</b>            | 144             |

## Dimensions

|                                     |                    |
|-------------------------------------|--------------------|
| <b>Buffer Tube/Subunit Diameter</b> | 2 mm   0.079 in    |
| <b>Diameter Over Jacket</b>         | 11.8 mm   0.465 in |

## Representative Image



## Mechanical Specifications

|  |                                       |
|--|---------------------------------------|
| <b>Minimum Bend Radius, loaded</b>       | 172 mm   6.772 in                     |
| <b>Minimum Bend Radius, unloaded</b>     | 115 mm   4.528 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>                            | 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> | OM4, LazrSPEED® 550   OM4, LazrSPEED® 550 |
|-------------------|---|

## 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) |

# 760242124 | P-144-MP-5K-F12AQ/20T

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|                                      |                                       |
|--------------------------------------|---------------------------------------|
| <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) |
| <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> | 143 kg/km   96.092 lb/kft |
|---------------------|---------------------------|

## Regulatory Compliance/Certifications

| <b>Agency</b> | <b>Classification</b>  |
|---------------|--|
| ISO 9001:2015 | Designed, manufactured and/or distributed under this quality management system |

## \* Footnotes

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