

# PPLAGXRLCRZQ

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Propel ULL Multimode OM4 Cabled Module, 8x16 duplex LC Propel module on End A to 1x16f MPO/APC pinned Multimode on End B, 128 fiber Plenum Trunk, Method A

- This component requires 4 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-16/APC Male                |
| <b>Interface Feature, rear</b>      | Key up/down   Pinned           |
| <b>Module Size, end A</b>           | 8 fiber                        |
| <b>Module Size, end B</b>           | 8 fiber                        |
| <b>Module Quantity, end A</b>       | 8                              |
| <b>Module Quantity, end B</b>       | 8                              |
| <b>Polarity</b>                     | Method A                       |
| <b>Total Fibers, quantity</b>       | 128                            |
| <b>Total Ports, quantity, front</b> | 64                             |

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## 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>           | 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>              | Multimode |
| <b>Fiber Type</b>              | OM4       |
| <b>Insertion Loss, maximum</b> | 0.35 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 |
|---------------------------|---|

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## 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

|                                |   |
|--------------------------------|---|
| 760251003<br>P-128-MP-5K-F16AQ | - Fiber indoor cable, LazrSPEED® Plenum MPO Trunk, 128 fiber multi-unit with 16 fiber subunits, Multimode OM4, Gel-free, Feet jacket marking, Aqua jacket color |
|--------------------------------|---|



Fiber indoor cable, LazrSPEED® Plenum MPO Trunk, 128 fiber multi-unit with 16 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>            | 8               |
| <b>Fibers per Subunit, quantity</b> | 16              |
| <b>Total Fiber Count</b>            | 128             |

## Dimensions

|                                     |                     |
|-------------------------------------|---------------------|
| <b>Buffer Tube/Subunit Diameter</b> | 3 mm   0.118 in     |
| <b>Diameter Over Jacket</b>         | 12.25 mm   0.482 in |

## Mechanical Specifications

|  |                     |
|--|---------------------|
| <b>Minimum Bend Radius, loaded</b>       | 184 mm   7.244 in   |
| <b>Minimum Bend Radius, unloaded</b>     | 122 mm   4.803 in   |
| <b>Tensile Load, long term, maximum</b>  | 400 N   89.924 lbf  |
| <b>Tensile Load, short term, maximum</b> | 1335 N   300.12 lbf |

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|                                |                                       |
|--------------------------------|---------------------------------------|
| <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>  | 265 m   869.423 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)  |
| <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

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**Cable weight**

156 kg/km | 104.827 lb/kft

\* Footnotes

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