

# PPLU3XDLCU



Propel ULL Multimode OM4 Cabled Module, 6x12 duplex LC Propel module on End A to Stub on End B, 72 fiber B2ca Trunk, Method B Enhanced

- This component requires 3 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>         | 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 Stub         |
| <b>Cable Color</b>                  | Aqua                          |
| <b>Cable Type</b>                   | Trunk Cable - LSZH Class B2ca |
| <b>Interface, front</b>             | LC/UPC                        |
| <b>Interface Feature, front</b>     | Duplex   Shuttered            |
| <b>Interface Color, front</b>       | Aqua                          |
| <b>Interface, rear</b>              | Stub                          |
| <b>Module Size, end A</b>           | 12 fiber                      |
| <b>Module Quantity, end A</b>       | 6                             |
| <b>Polarity</b>                     | Method B Enhanced (ULL)       |
| <b>Total Fibers, quantity</b>       | 72                            |
| <b>Total Ports, quantity, front</b> | 36                            |

## Dimensions

|               |                  |
|---------------|------------------|
| <b>Height</b> | 11 mm   0.433 in |
|---------------|------------------|

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|   |                   |
|---|-------------------|
| <b>Width</b>                            | 196 mm   7.717 in |
| <b>Depth</b>                            | 170 mm   6.693 in |
| <b>Breakout Length, end B</b>           | 0 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 |
|---------------------------|---|

## Regulatory Compliance/Certifications

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

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UK-ROHS

Compliant/Exempted



## Included Products

- 760250694 N-072-MP-5K-F12AQ/20T/B2 – Fiber indoor cable, LazrSPEED® Low Smoke Zero Halogen Riser MPO Trunk, 72 fiber with 2.0 mm Subunits, Multimode OM4, Feet jacket marking, Aqua jacket color, B2ca flame rating

# 760250694 | N-072-MP-5K-F12AQ/20T/B2



Fiber indoor cable, LazrSPEED® Low Smoke Zero Halogen Riser MPO Trunk, 72 fiber with 2.0 mm Subunits, Multimode OM4, Feet jacket marking, Aqua jacket color, B2ca flame rating

## Product Classification

|                              |                                     |
|------------------------------|-------------------------------------|
| <b>Regional Availability</b> | Asia   Australia/New Zealand   EMEA |
| <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>                 | Aqua            |
| <b>Jacket Marking</b>               | Feet            |
| <b>Subunit, quantity</b>            | 6               |
| <b>Fibers per Subunit, quantity</b> | 12              |
| <b>Total Fiber Count</b>            | 72              |

## Dimensions

|                                     |                 |
|-------------------------------------|-----------------|
| <b>Buffer Tube/Subunit Diameter</b> | 2 mm   0.079 in |
| <b>Diameter Over Jacket</b>         | 9 mm   0.354 in |

## Representative Image



## Mechanical Specifications

|  |                                       |
|--|---------------------------------------|
| <b>Minimum Bend Radius, loaded</b>       | 135 mm   5.315 in                     |
| <b>Minimum Bend Radius, unloaded</b>     | 92 mm   3.622 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>            | 243 m   797.244 ft                    |

## Optical Specifications

|                   |                     |
|-------------------|---------------------|
| <b>Fiber Type</b> | OM4, LazrSPEED® 550 |
|-------------------|---------------------|

## 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) |

# 760250694 | N-072-MP-5K-F12AQ/20T/B2

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|   |   |
|---|---|
| <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> | 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 60332-3   IEC 60754-2   IEC 61034-2 |

## Environmental Test Specifications

|                                      |                                    |
|--------------------------------------|------------------------------------|
| <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> | 83.9 kg/km   56.378 lb/kft |
|---------------------|----------------------------|

## \* Footnotes

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