

# PPLA3VRLCRVR

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Propel ULL Multimode OM5 Cabled Module, 1x16 duplex LC Propel module on End A to 1x16f MPO /APC non-pinned Multimode on End B, 16 fiber B2ca 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>                  | Lime green                     |
| <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>       | Lime green                     |
| <b>Interface, rear</b>              | MPO-16/APC Female              |
| <b>Interface Feature, rear</b>      | Key up/down   Unpinned         |
| <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 A                       |
| <b>Total Fibers, quantity</b>       | 16                             |
| <b>Total Ports, quantity, front</b> | 8                              |

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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>              | OM5       |
| <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

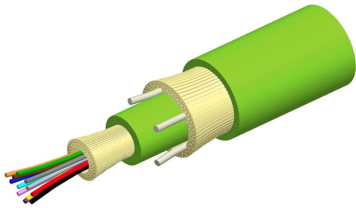
| Agency     | Classification   |
|------------|--|
| CHINA-ROHS | Below maximum concentration value  |
| REACH-SVHC | Compliant as per SVHC revision on <a href="http://www.commscope.com/ProductCompliance">www.commscope.com/ProductCompliance</a> |
| ROHS       | Compliant  |
| UK-ROHS    | Compliant  |



## Included Products

|                                       |   |   |
|---------------------------------------|---|---|
| 760251064<br>N-016-MP-5G-F16LM/30T/B2 | - | Fiber indoor cable, LazrSPEED® Low Smoke Zero Halogen Riser MPO Trunk, 16-fiber, 3.0mm subunits, Multimode OM5, Gel-free, Feet jacket marking, Lime green jacket color, B2ca Flame rating |
|---------------------------------------|---|---|

# 760251064 | N-016-MP-5G-F16LM/30T/B2



Fiber indoor cable, LazrSPEED® Low Smoke Zero Halogen Riser MPO Trunk, 16-fiber, 3.0mm subunits, Multimode OM5, Gel-free, Feet jacket marking, Lime green 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  |

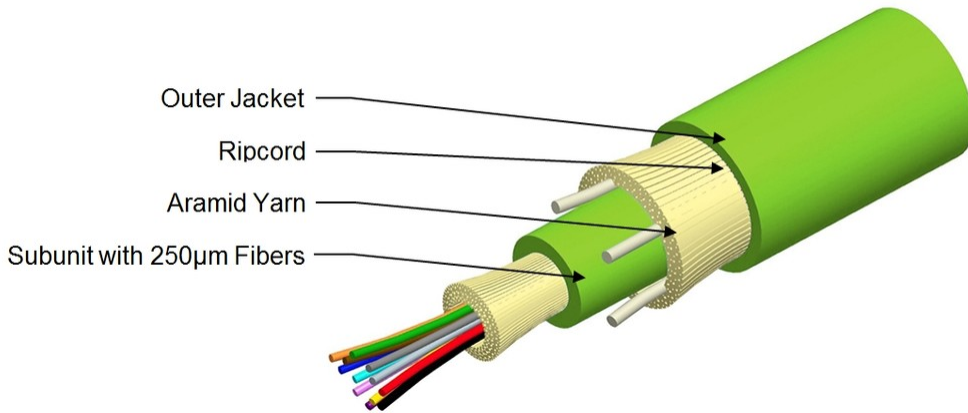
## General Specifications

|                          |                 |
|--------------------------|-----------------|
| <b>Cable Type</b>        | MPO trunk cable |
| <b>Construction Type</b> | Non-armored     |
| <b>Subunit Type</b>      | Gel-free        |
| <b>Jacket Color</b>      | Lime green      |
| <b>Jacket Marking</b>    | Feet            |
| <b>Subunit, quantity</b> | 1               |
| <b>Total Fiber Count</b> | 16              |

## Dimensions

|                                     |                   |
|-------------------------------------|-------------------|
| <b>Buffer Tube/Subunit Diameter</b> | 3 mm   0.118 in   |
| <b>Diameter Over Jacket</b>         | 6.4 mm   0.252 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>            | 445 m   1,459.974 ft                  |

## Optical Specifications

|                   |                          |
|-------------------|--------------------------|
| <b>Fiber Type</b> | OM5, LazrSPEED® wideband |
|-------------------|--------------------------|

## Environmental Specifications

|                                 |                                    |
|---------------------------------|------------------------------------|
| <b>Installation temperature</b> | 0 °C to +50 °C (+32 °F to +122 °F) |
| <b>Operating Temperature</b>    | 0 °C to +60 °C (+32 °F to +140 °F) |

# 760251064 | N-016-MP-5G-F16LM/30T/B2

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|   |                                       |
|---|---------------------------------------|
| <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> | 45.9 kg/km   30.843 lb/kft |
|---------------------|----------------------------|

## \* Footnotes

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