

# PPLAJV8LCQPM

Propel ULL Multimode OM5 Cabled Module, 18x8 duplex LC Propel module on End A to 1x8f MPO /UPC non-pinned on End B, 144 fiber LSZH Trunk, Method A

- This component requires 36 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

|                       |  |
|-----------------------|--|
| Regional Availability | Asia   Australia/New Zealand   EMEA   Latin America   North America                              |
| Portfolio             | SYSTIMAX®  |
| Product Type          | Fiber cabled module  |
| Product Brand         | Propel   |
| Product Series        | PPL  |
| Ordering Note         | For lengths greater than 999 ft (304 m), orders must be in meters   Maximum length is 400 meters |

## General Specifications

|                              |                                |
|------------------------------|--------------------------------|
| Configuration Type           | PROPEL Module to MPO Connector |
| Cable Color                  | Lime green                     |
| Cable Type                   | Trunk Cable - LSZH             |
| Interface, front             | LC/UPC                         |
| Interface Feature, front     | Duplex   Shuttered             |
| Interface Color, front       | Lime green                     |
| Interface, rear              | MPO-08/UPC Female              |
| Interface Feature, rear      | Key up/down   Unpinned         |
| Module Size, end A           | 8 fiber                        |
| Module Size, end B           | 8 fiber                        |
| Module Quantity, end A       | 18                             |
| Module Quantity, end B       | 18                             |
| Polarity                     | Method A                       |
| Total Fibers, quantity       | 144                            |
| Total Ports, quantity, front | 72                             |

# PPLAJV8LCQPM

## Dimensions

|                                  |  |
|----------------------------------|--|
| Height                           | 11 mm   0.433 in                                       |
| Width                            | 65 mm   2.559 in                                       |
| Depth                            | 170 mm   6.693 in                                      |
| Breakout Length, end B           | 12 in   120 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              | OM5       |
| 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

|                    |   |
|--------------------|---|
| Packaging quantity | 1 |
|--------------------|---|

# PPLAJV8LCQPM

## 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  |



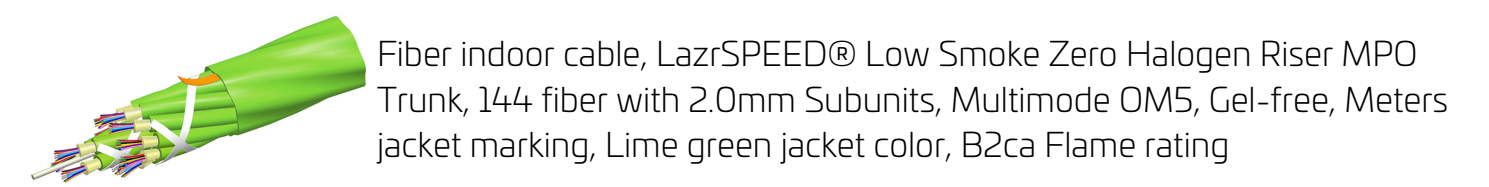
## Included Products

|                                       |   |   |
|---------------------------------------|---|---|
| 760253114<br>N-144-MP-5G-F08LM/20T/B2 | – | Fiber indoor cable, LazrSPEED® Low Smoke Zero Halogen Riser MPO Trunk, 144 fiber with 2.0 mm Subunits, Multimode OM5, Gel-free, Meters jacket marking, Lime green jacket color, B2ca Flame rating |
|---------------------------------------|---|---|

760253114

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N-144-MP-5G-F08LM/20T/B2



Product Classification

|                       |                                     |
|-----------------------|-------------------------------------|
| Regional Availability | Asia   Australia/New Zealand   EMEA |
| Portfolio             | CommScope®                          |
| Product Type          | Fiber indoor cable                  |
| Product Series        | N-MP                                |

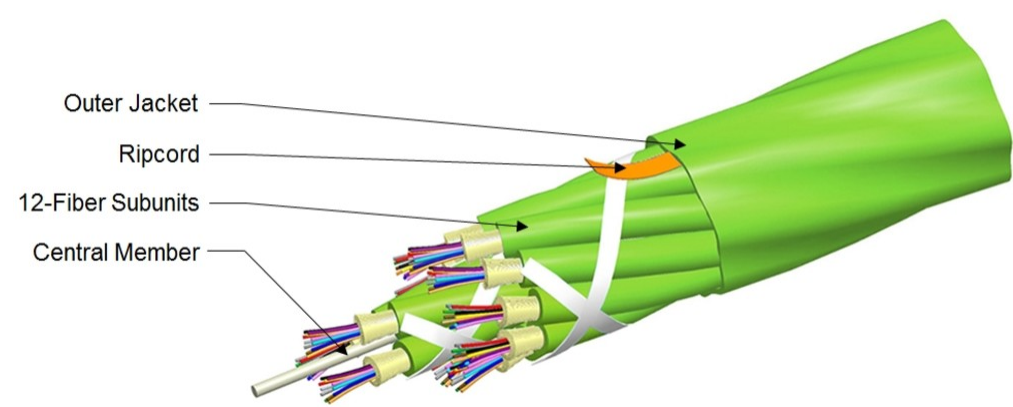
General Specifications

|                              |                 |
|------------------------------|-----------------|
| Cable Type                   | MPO trunk cable |
| Construction Type            | Non-armored     |
| Subunit Type                 | Gel-free        |
| Filler, quantity             | 0               |
| Jacket Color                 | Lime green      |
| Jacket Marking               | Feet            |
| Subunit, quantity            | 18              |
| Fibers per Subunit, quantity | 8               |
| Total Fiber Count            | 144             |

Dimensions

|                              |                  |
|------------------------------|------------------|
| Buffer Tube/Subunit Diameter | 2 mm   0.079 in  |
| Diameter Over Jacket         | 13 mm   0.512 in |

Representative Image



## Mechanical Specifications

|                                   |                                       |
|-----------------------------------|---------------------------------------|
| Minimum Bend Radius, loaded       | 195 mm   7.677 in                     |
| Minimum Bend Radius, unloaded     | 130 mm   5.118 in                     |
| Tensile Load, long term, maximum  | 200 N   44.962 lbf                    |
| Tensile Load, short term, maximum | 667 N   149.948 lbf                   |
| Compression                       | 10 N/mm   57.101 lb/in                |
| Compression Test Method           | FOTP-41   IEC 60794-1 E3              |
| Flex                              | 25 cycles                             |
| Flex Test Method                  | FOTP-104   IEC 60794-1 E6             |
| Impact                            | 2.94 N-m   26.021 in lb               |
| Impact Test Method                | FOTP-25   IEC 60794-1 E4              |
| Strain                            | See long and short term tensile loads |
| Strain Test Method                | FOTP-33   IEC 60794-1 E1              |
| Twist                             | 10 cycles                             |
| Twist Test Method                 | FOTP-85   IEC 60794-1 E7              |
| Vertical Rise, maximum            | 131 m   429.79 ft                     |

## Optical Specifications

|            |                          |
|------------|--------------------------|
| Fiber Type | OM5, LazrSPEED® wideband |
|------------|--------------------------|

## Environmental Specifications

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

760253114 | N-144-MP-5G-F08LM/20T/B2

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|  |   |
|--|---|
| Storage Temperature                          | -40 °C to +70 °C (-40 °F to +158 °F)                                  |
| Cable Qualification Standards                | ANSI/ICEA S-83-596   Telcordia GR-409                                 |
| EN50575 CPR Cable EuroClass Fire Performance | B2ca  |
| EN50575 CPR Cable EuroClass Smoke Rating     | s1a   |
| EN50575 CPR Cable EuroClass Droplets Rating  | d1  |
| EN50575 CPR Cable EuroClass Acidity Rating   | a1  |
| Environmental Space                          | Dual Rated LSZH/Riser   Riser   |
| Flame Test Listing                           | NEC OFNR-ST1 (ETL) and c(ETL)   |
| Flame Test Method                            | CSA FT4   IEC 60332-3   IEC 60754-2   IEC 61034-2   UL 1666   UL 1685 |

### Environmental Test Specifications

|                               |                                    |
|-------------------------------|------------------------------------|
| Low High Bend                 | 0 °C to +50 °C (+32 °F to +122 °F) |
| Low High Bend Test Method     | FOTP-37   IEC 60794-1 E11          |
| Temperature Cycle             | 0 °C to +60 °C (+32 °F to +140 °F) |
| Temperature Cycle Test Method | FOTP-3   IEC 60794-1 F1            |

### Packaging and Weights

|              |                             |
|--------------|-----------------------------|
| Cable weight | 155.9 kg/km   104.76 lb/kft |
|--------------|-----------------------------|

### \* Footnotes

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