

# PPLAGGRLCRXM

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Propel ULL Singlemode Cabled Module, 9x16 duplex LC Propel module on End A to 1x16f MPO /APC pinned Singlemode on End B, 144 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

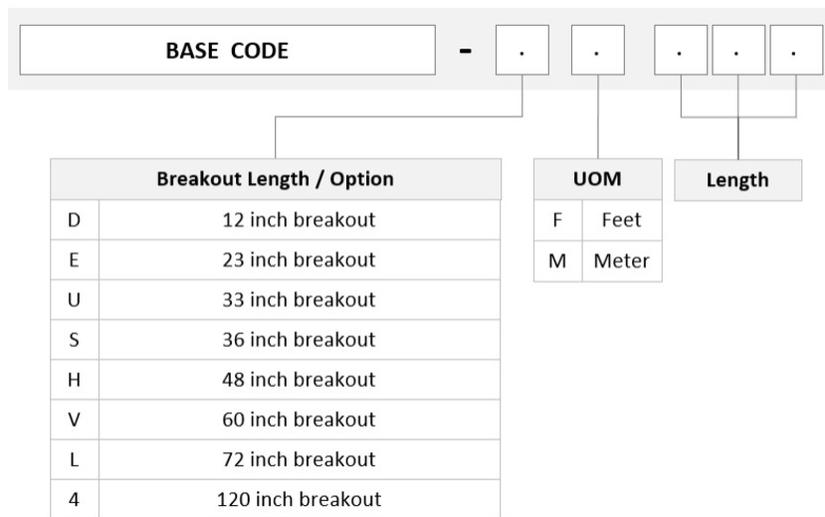
|                                     |                                |
|-------------------------------------|--------------------------------|
| <b>Configuration Type</b>           | PROPEL Module to MPO Connector |
| <b>Cable Color</b>                  | Yellow                         |
| <b>Cable Type</b>                   | Trunk Cable - Plenum           |
| <b>Interface, front</b>             | LC/UPC                         |
| <b>Interface Feature, front</b>     | Duplex   Shuttered             |
| <b>Interface Color, front</b>       | Blue                           |
| <b>Interface, rear</b>              | MPO-16/APC Male                |
| <b>Interface Feature, rear</b>      | Key up/down   Pinned           |
| <b>Module Size, end A</b>           | 16 fiber                       |
| <b>Module Size, end B</b>           | 16 fiber                       |
| <b>Module Quantity, end A</b>       | 9                              |
| <b>Module Quantity, end B</b>       | 9                              |
| <b>Polarity</b>                     | Method A                       |
| <b>Total Fibers, quantity</b>       | 144                            |
| <b>Total Ports, quantity, front</b> | 72                             |

# PPLAGGRLCRXM

## Dimensions

|                                         |                                                        |
|-----------------------------------------|--------------------------------------------------------|
| <b>Height</b>                           | 11 mm   0.433 in                                       |
| <b>Width</b>                            | 131 mm   5.157 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>              | Singlemode |
| <b>Fiber Type</b>              | OS2        |
| <b>Insertion Loss, maximum</b> | 0.6 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

| <b>Agency</b> | <b>Classification</b>                                                                                                          |
|---------------|--------------------------------------------------------------------------------------------------------------------------------|
| 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                                                                                                                      |

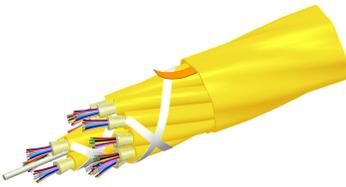


## Included Products

|                                 |                                                                       |
|---------------------------------|-----------------------------------------------------------------------|
| 760251020<br>P-144-MP-8G1-F16YL | – Plenum MPO Trunk Cable, 144 fiber multi-unit with 16 fiber subunits |
|---------------------------------|-----------------------------------------------------------------------|

# 760251020 | P-144-MP-8G1-F16YL

Plenum MPO Trunk Cable, 144 fiber multi-unit with 16 fiber subunits



## 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>                 | Yellow          |
| <b>Jacket Marking</b>               | Feet            |
| <b>Subunit, quantity</b>            | 9               |
| <b>Fibers per Subunit, quantity</b> | 16              |
| <b>Total Fiber Count</b>            | 144             |

## Dimensions

|                                     |                    |
|-------------------------------------|--------------------|
| <b>Buffer Tube/Subunit Diameter</b> | 3 mm   0.118 in    |
| <b>Diameter Over Jacket</b>         | 13.4 mm   0.528 in |

## Mechanical Specifications

|                                          |                     |
|------------------------------------------|---------------------|
| <b>Minimum Bend Radius, loaded</b>       | 202 mm   7.953 in   |
| <b>Minimum Bend Radius, unloaded</b>     | 134 mm   5.276 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 |

# 760251020 | P-144-MP-8G1-F16YL

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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>  | 219 m   718.504 ft                    |

## Optical Specifications

|                   |                           |
|-------------------|---------------------------|
| <b>Fiber Type</b> | G.657.A2/B2   G.657.A2/B2 |
|-------------------|---------------------------|

## 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

# 760251020 | P-144-MP-8G1-F16YL

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**Cable weight**

186 kg/km | 124.986 lb/kft

\* Footnotes

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