## PPLU3VDLCMPH



Propel ULL Multimode OM5 Cabled Module, 4x12 duplex LC Propel module on End A to 1x12f MPO/UPC non-pinned on End B, 48 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**

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 Class B2ca

Interface, front LC/UPC

Interface Feature, front Duplex | Shuttered

Interface Color, front Lime green

Interface, rear MPO-12/UPC Female

Interface Feature, rear Key up/up | Unpinned

Module Size, end A12 fiberModule Size, end B12 fiber

Module Quantity, end A 4

Module Quantity, end B 4

Polarity Method B Enhanced (ULL)

Total Fibers, quantity 48

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Total Ports, quantity, front 24

**Dimensions** 

 Height
 11 mm | 0.433 in

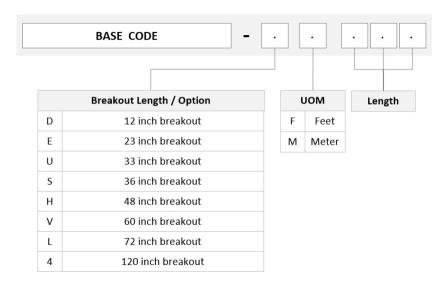
 Width
 98 mm | 3.858 in

 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 ModeMultimodeFiber TypeOM5Insertion Loss, maximum0.35 dB

### **Environmental Specifications**

**Qualification Standards** IEC 61753-1 | TIA-568.3-D

Safety Standard c-UL-us

Packaging and Weights

COMMSCOPE®

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#### **Packaging quantity**

1

## Regulatory Compliance/Certifications

Agency Classification

CHINA-ROHS Above maximum concentration value

ROHS Compliant/Exempted

UK-ROHS Compliant



### Included Products

760249525 N-048-MP-5G-F12LM/20T/B2 Fiber indoor cable, LazrSPEED® Low Smoke Zero Halogen Riser MPO Trunk, 48 fibers with 2.0 mm Subunits, Multimode OM5, Gel-free, Feet jacket marking, Lime green jacket color, B2ca Flame rating



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Fiber indoor cable, LazrSPEED® Low Smoke Zero Halogen Riser MPO Trunk, 48 fibers with 2.0mm Subunits, Multimode OM5, Gel-free, Feet jacket marking, Lime green jacket color, B2ca Flame rating

#### **Product Classification**

Regional Availability

Asia | Australia/New Zealand | EMEA

 Portfolio
 CommScope®

 Product Type
 Fiber indoor cable

**Product Series** N-MP

### General Specifications

Cable TypeMPO trunk cableConstruction TypeNon-armoredSubunit TypeGel-freeJacket ColorLime green

Jacket MarkingFeetSubunit, quantity4Fibers per Subunit, quantity12Total Fiber Count48

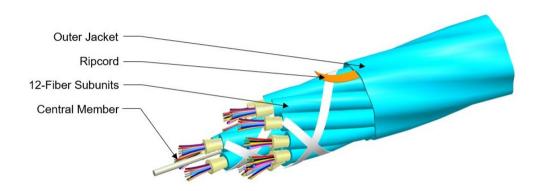
#### **Dimensions**

Buffer Tube/Subunit Diameter2 mm | 0.079 inDiameter Over Jacket7.8 mm | 0.307 in

### Representative Image



# 760249525 | N-048-MP-5G-F12LM/20T/B2



### Mechanical Specifications

Minimum Bend Radius, loaded 116 mm | 4.567 in

Minimum Bend Radius, unloaded 78 mm | 3.071 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** 336 m | 1,102.362 ft

**Optical Specifications** 

Fiber Type OM5, LazrSPEED® wideband

### **Environmental Specifications**

Installation temperature  $0 \,^{\circ}\text{C}$  to +60  $^{\circ}\text{C}$  (+32  $^{\circ}\text{F}$  to +140  $^{\circ}\text{F}$ )

Operating Temperature  $0 \,^{\circ}\text{C}$  to +70  $^{\circ}\text{C}$  (+32  $^{\circ}\text{F}$  to +158  $^{\circ}\text{F}$ )

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**Storage Temperature**  $-40 \,^{\circ}\text{C}$  to  $+70 \,^{\circ}\text{C}$  ( $-40 \,^{\circ}\text{F}$  to  $+158 \,^{\circ}\text{F}$ )

Cable Qualification Standards ANSI/ICEA S-83-596 | Telcordia GR-409

EN50575 CPR Cable EuroClass Fire PerformanceB2caEN50575 CPR Cable EuroClass Smoke Ratings1aEN50575 CPR Cable EuroClass Droplets Ratingd0

Environmental Space Low Smoke Zero Halogen (LSZH)

Flame Test Method | IEC 60332-3 | IEC 60754-2 | IEC 61034-2

**Environmental Test Specifications** 

**EN50575 CPR Cable EuroClass Acidity Rating** 

 Low High Bend
 0 °C to +70 °C (+32 °F to +158 °F)

 Low High Bend Test Method
 FOTP-37 | IEC 60794-1 E11

**Temperature Cycle**  $0 \, ^{\circ}\text{C to } +70 \, ^{\circ}\text{C (+32 °F to } +158 \, ^{\circ}\text{F)}$ 

**Temperature Cycle Test Method** FOTP-3 | IEC 60794-1 F1

Packaging and Weights

**Cable weight** 60.8 kg/km | 40.856 lb/kft

\* Footnotes

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

