# PPLAGG8LCQXH

Propel ULL Singlemode Cabled Module, 6x8 duplex LC Propel module on End A to 1x8f MPO /UPC pinned on End B, 48 fiber Plenum Trunk, Method A

- This component requires 2 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**

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 Yellow

Cable TypeTrunk Cable - Plenum

Interface, front LC/UPC

Interface Feature, front Duplex | Shuttered

Interface Color, front Blue

Interface, rear MPO-08/UPC Male

Interface Feature, rear Key up/down | Pinned

Module Size, end A 12 fiber

Module Size, end B 12 fiber

Module Quantity, end A 6
Module Quantity, end B 6

**Polarity** Method A

Total Fibers, quantity 48

Total Ports, quantity, front 24

COMMSC PE°

# PPLAGG8LCQXH

#### **Dimensions**

 Height
 11 mm | 0.433 in

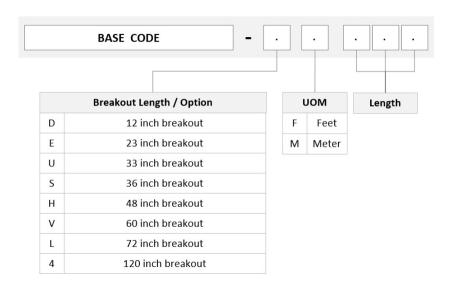
 Width
 98 mm | 3.858 in

 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 Mode** Singlemode

Fiber Type OS2
Insertion Loss, maximum 0.6 dB

### **Environmental Specifications**

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

Safety Standard c-UL-us

Packaging and Weights

Packaging quantity 1

COMMSCOPE®

# PPLAGG8LCQXH

## Regulatory Compliance/Certifications

#### Agency Classification

CHINA-ROHS Below maximum concentration value

REACH-SVHC Compliant as per SVHC revision on www.commscope.com/ProductCompliance

ROHS Compliant UK-ROHS Compliant



### Included Products

760245566 – Fiber indoor cable, Plenum MPO Trunk, 48 fiber multi-unit with 8 fiber subunits, Singlemode G. P-048-MP-8G1-F08YL/20T 657.A2/B2, Feet jacket marking, Yellow jacket color



# 760245566 | P-048-MP-8G1-F08YL/20T



Fiber indoor cable, Plenum MPO Trunk, 48 fiber multi-unit with 8 fiber subunits, Singlemode G.657.A2/B2, Feet jacket marking, Yellow jacket color

#### **Product Classification**

Regional Availability

Asia | Australia/New Zealand | Latin America | Middle East

/Africa | North America

Portfolio CommScope®

**Product Type** Fiber indoor cable

**Product Series** P-MP

## General Specifications

Cable Type MPO trunk cable

Construction Type Non-armored

**Subunit Type** Gel-free

Jacket Color Yellow

**Jacket Marking** Feet

Subunit, quantity 6

Fibers per Subunit, quantity 8

Total Fiber Count 48

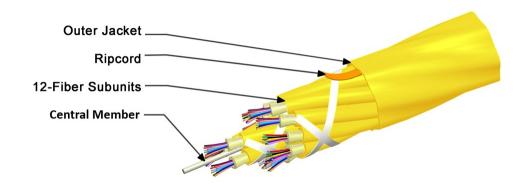
#### **Dimensions**

Buffer Tube/Subunit Diameter2 mm | 0.079 inDiameter Over Jacket9.3 mm | 0.366 in

## Representative Image



# 760245566 | P-048-MP-8G1-F08YL/20T



### Mechanical Specifications

Minimum Bend Radius, loaded 141 mm | 5.551 in

**Minimum Bend Radius, unloaded** 94 mm | 3.701 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 300 cycles

Flex Test Method FOTP-104 | IEC 60794-1 E6

**Impact** 0.74 N-m | 6.55 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** 227 m | 744.751 ft

Optical Specifications

**Fiber Type** G.657.A2/B2 | G.657.A2/B2

### **Environmental Specifications**

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

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

Page 5 of 6



# 760245566 | P-048-MP-8G1-F08YL/20T

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

Environmental Space Plenum

Flame Test Listing

NEC OFNP (ETL) and c(ETL)

Flame Test Method

NFPA 130 | NFPA 262

**Environmental Test Specifications** 

**Heat Age** 0 °C to +85 °C (+32 °F to +185 °F)

Heat Age Test Method IEC 60794-1 F9

**Low High Bend**  $0 \degree \text{C to } +70 \degree \text{C (} +32 \degree \text{F to } +158 \degree \text{F)}$ 

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

**Temperature Cycle** 0 °C to +70 °C (+32 °F to +158 °F)

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

Packaging and Weights

**Cable weight** 90 kg/km | 60.477 lb/kft

## Regulatory Compliance/Certifications

Agency Classification

ISO 9001:2015 Designed, manufactured and/or distributed under this quality management system

#### \* Footnotes

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

