PPLAGGFLC2XM

Propel ULL Singlemode Cabled Module, 6x2f duplex LC Propel module on End A to 1x24f MPO /UPC pinned on End B, 144 fiber Plenum Trunk, Method A

- This component requires 6 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 ColorYellow

Cable TypeTrunk Cable - Plenum

Interface, front LC/UPC

Interface Feature, front Duplex | Shuttered

Interface Color, front Blue

Interface, rear MPO-24/UPC Male

Interface Feature, rear Key up/down | Pinned

Module Size, end A 24 fiber

Module Size, end B 24 fiber

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

Polarity Method A

Total Fibers, quantity 144

Total Ports, quantity, front 72

COMMSCOPE®

PPLAGGFLC2XM

Dimensions

 Height
 11 mm | 0.433 in

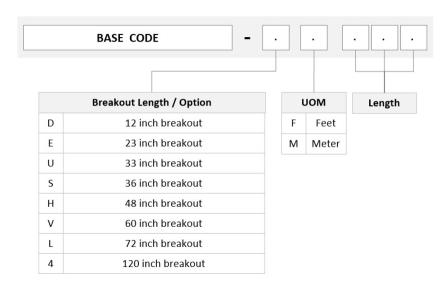
 Width
 131 mm | 5.157 in

 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

COMMSC PE®

PPLAGGFLC2XM

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

760245874 – Fiber Indoor Cable, Plenum MPO Trunk, 144 fiber multi-unit with 24 fiber subunits, Singlemode P-144-MP-8G1-F24YL G.657.A2/B2, Gel-free, Feet jacket marking, Yellow jacket color



P-144-MP-8G1-F24YL 760245874 l



Fiber Indoor Cable, Plenum MPO Trunk, 144 fiber multi-unit with 24 fiber subunits, Singlemode G.657.A2/B2, Gel-free, Feet jacket marking, Yellow jacket color

Product Classification

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

Feet

24

144

/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

Subunit, quantity

Fibers per Subunit, quantity **Total Fiber Count**

Dimensions

Jacket Marking

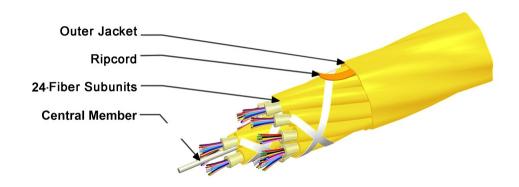
Buffer Tube/Subunit Diameter 3.6 mm | 0.142 in

Diameter Over Jacket 12.18 mm | 0.48 in

Representative Image



760245874 | P-144-MP-8G1-F24YL



Mechanical Specifications

Minimum Bend Radius, loaded 183 mm | 7.205 in

Minimum Bend Radius, unloaded 122 mm | 4.803 in

Tensile Load, long term, maximum 400 N | 89.924 lbf

Tensile Load, short term, maximum 1335 N | 300.12 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 285 m | 935.039 ft

Optical Specifications

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

Environmental Specifications

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

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760245874 | P-144-MP-8G1-F24YL

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

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

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 °C to +70 °C (+32 °F to +158 °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 143 kg/km | 96.092 lb/kft

Regulatory Compliance/Certifications

lassification

CHINA-ROHS Below maximum concentration value

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

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

ROHS Compliant UK-ROHS Compliant



* Fnotnotes

Operating Temperature Specification applicable to non-terminated bulk fiber cable

