PPLAJGDLCMXK



Propel ULL Singlemode Cabled Module, 6x12 duplex LC Propel module on End A to 1x12f MPO/UPC pinned on End B, 72 fiber LSZH Trunk, Method A

- This component requires 3 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

For lengths greater than 999 ft (304 m), orders must be in meters | Maximum length is **Ordering Note**

400 meters

General Specifications

Configuration Type PROPEL Module to MPO Connector

Cable Color Yellow

Trunk Cable - LSZH Cable Type

Interface, front LC/UPC

Interface Feature, front Duplex | Shuttered

Interface Color, front Blue

MPO-12/UPC Male Interface, rear

Key up/down | Pinned Interface Feature, rear

6

24 fiber Module Size, end A 24 fiber Module Size, end B

Module Quantity, end A Module Quantity, end B 6

Method A **Polarity**

Total Fibers, quantity 72

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Total Ports, quantity, front 36

Dimensions

 Height
 11 mm | 0.433 in

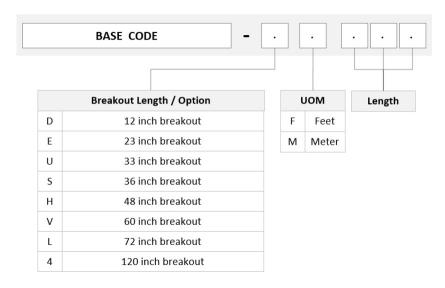
 Width
 196 mm | 7.717 in

 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

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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

760248131 N-072-MP-8G1-F12YL/20T/D Fiber indoor cable, Low Smoke Zero Halogen Riser MPO Trunk, 72 fiber multi-unit with 12 fiber 2.0 mm subunits, Singlemode G.657.A2/B2, Feet jacket marking, Yellow jacket color, Dca flame rating



760248131 | N-072-MP-8G1-F12YL/20T/D



Fiber indoor cable, Low Smoke Zero Halogen Riser MPO Trunk, 72 fiber multi-unit with 12 fiber 2.0 mm subunits, Singlemode G.657.A2/B2, Feet jacket marking, Yellow jacket color, Dca flame rating

Product Classification

Regional Availability

Asia | Australia/New Zealand | EMEA | Latin America | North

America

Feet

 Portfolio
 CommScope®

 Product Type
 Fiber indoor cable

Product Series N-MP

General Specifications

Cable Type MPO trunk cable

Construction Type Non-armored

Subunit TypeGel-freeJacket ColorYellow

Subunit, quantity 6

Fibers per Subunit, quantity 12

Total Fiber Count 72

Dimensions

Jacket Marking

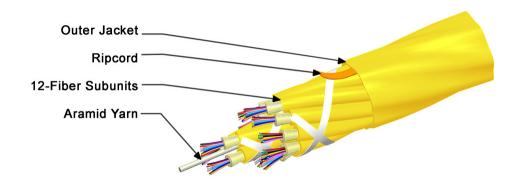
Buffer Tube/Subunit Diameter 2 mm | 0.079 in

Diameter Over Jacket 8.2 mm | 0.323 in

Representative Image



760248131 | N-072-MP-8G1-F12YL/20T/D



Mechanical Specifications

Minimum Bend Radius, loaded123 mm4.843 inMinimum Bend Radius, unloaded82 mm3.228 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 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 295 m | 967.848 ft

Optical Specifications

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

Environmental Specifications

Installation temperature 0 °C to +60 °C (+32 °F to +140 °F)

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760248131 | N-072-MP-8G1-F12YL/20T/D

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

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

EN50575 CPR Cable EuroClass Fire PerformanceDcaEN50575 CPR Cable EuroClass Smoke Ratings1aEN50575 CPR Cable EuroClass Droplets Ratingd1EN50575 CPR Cable EuroClass Acidity Ratinga1

Environmental Space Low Smoke Zero Halogen (LSZH) | Riser

Flame Test Listing NEC OFNR-ST1 (ETL) and c(ETL)

Flame Test Method | IEC 60332-3 | IEC 60754-2 | IEC 61034-2 | UL 1666 | UL 1685

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
 -20 °C to +70 °C (-4 °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 65.4 kg/km | 43.947 lb/kft

* Footnotes

Operating Temperature Specification applicable to non-terminated bulk fiber cable

