PPLAJGFSN2XH

Propel ULL Singlemode Cabled Module, 2x2f duplex SN Propel module on End A to 2x24 on End B, 48 fiber LSZH 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 Color Yellow

Cable TypeTrunk Cable - LSZH

Interface, front SN/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 16 fiber

Module Size, end B 16 fiber

Module Quantity, end A 2
Module Quantity, end B 2

Polarity Method A

Total Fibers, quantity 48

Total Ports, quantity, front 24

COMMSCOPE®

PPLAJGFSN2XH

Dimensions

 Height
 11 mm | 0.433 in

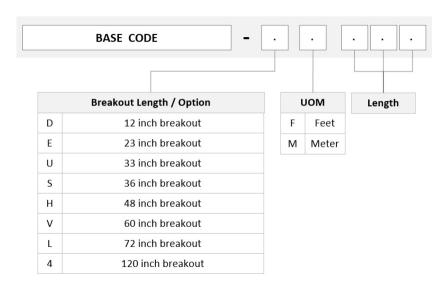
 Width
 131 mm | 5.157 in

 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®

PPLAJGFSN2XH

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

760255393 – Fiber indoor cable, Low Smoke Zero Halogen Riser MPO Trunk, 48 fiber with 24-fiber, 3.0 mm N-048-MP-8G1-F24YL/30T/B2 subunits, Singlemode G.657.A2/B2, Feet jacket marking, Yellow jacket color, B2ca flame rating



760255393 | N-048-MP-8G1-F24YL/30T/B2



Fiber indoor cable, Low Smoke Zero Halogen Riser MPO Trunk, 48 fiber with 24-fiber, 3.0 mm subunits, Singlemode G.657.A2/B2, Feet jacket marking, Yellow jacket color, B2ca flame rating

Product Classification

Regional Availability

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

America

Portfolio CommScope®

Product Type Fiber indoor cable

Product Series N-MP

General Specifications

Cable TypeMPO trunk cable

Construction Type Non-armored

Subunit Type Gel-free

Jacket Color Yellow

Jacket Marking Feet

Subunit, quantity 2

Total Fiber Count 48

Dimensions

Height Over Jacket 6.4 mm | 0.252 in

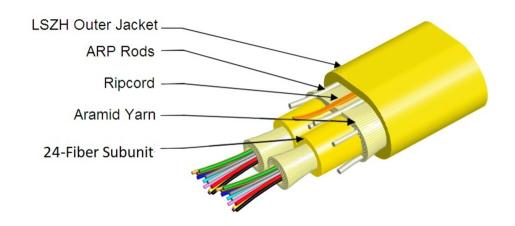
Width Over Jacket 9.4 mm | 0.37 in

Buffer Tube/Subunit Diameter 3 mm | 0.118 in

Representative Image



760255393 | N-048-MP-8G1-F24YL/30T/B2



Mechanical Specifications

Minimum Bend Radius, loaded96 mm | 3.78 inMinimum Bend Radius, unloaded64 mm | 2.52 inTensile Load, long term, maximum200 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 300 m | 984.252 ft

Optical Specifications

Fiber Type G.657.A2/B2

Environmental Specifications

Installation temperature $0 \,^{\circ}$ C to +50 $^{\circ}$ C (+32 $^{\circ}$ F to +122 $^{\circ}$ F)

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760255393 | N-048-MP-8G1-F24YL/30T/B2

Operating Temperature 0 °C to +60 °C (+32 °F to +140 °F)

Storage Temperature $-40 \,^{\circ}\text{C} \text{ to } +60 \,^{\circ}\text{C} \, (-40 \,^{\circ}\text{F to } +140 \,^{\circ}\text{F})$

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

EN50575 CPR Cable EuroClass Acidity Rating a1

Environmental Space Low Smoke Zero Halogen (LSZH)

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

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

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 68 kg/km | 45.694 lb/kft

* Footnotes

Operating Temperature Specification applicable to non-terminated bulk fiber cable

