PPLA3XDLCMPM



Propel ULL Multimode OM4 Cabled Module, 12x12 duplex LC Propel module on End A to 1x12f MPO/UPC non-pinned on End B, 144 fiber B2ca 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 |
| 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 | Aqua |
| Cable Type | Trunk Cable - LSZH Class B2ca |
| Interface, front | LC/UPC |
| Interface Feature, front | Duplex Shuttered |
| Interface Color, front | Aqua |
| Interface, rear | MPO-12/UPC Female |
| Interface Feature, rear | Key up/down Unpinned |
| Module Size, end A | 12 fiber |
| Module Size, end B | 12 fiber |
| Module Quantity, end A | 12 |
| Module Quantity, end B | 12 |
| Polarity | Method A |
| Total Fibers, quantity | 144 |

Page 1 of 6

©2024 CommScope, Inc. All rights reserved. CommScope and the CommScope logo are registered trademarks of CommScope and/or its affiliates in the U.S. and other countries. For additional trademark information see https://www.commscope.com/trademarks. All product names, trademarks and registered trademarks are property of their respective owners. Revised: May 22, 2024



PPLA3XDLCMPM

| Total Ports, quantity, front | 72 |
|----------------------------------|--|
| 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 | Multimode |
|-------------------------|-----------|
| Fiber Type | OM4 |
| Insertion Loss, maximum | 0.35 dB |

Environmental Specifications

| Qualification Standards | IEC 61753-1 TIA-568.3-D |
|-------------------------|---------------------------|
| Safety Standard | c-UL-us |

Packaging and Weights

Page 2 of 6

©2024 CommScope, Inc. All rights reserved. CommScope and the CommScope logo are registered trademarks of CommScope and/or its affiliates in the U.S. and other countries. For additional trademark information see https://www.commscope.com/trademarks. All product names, trademarks and registered trademarks are property of their respective owners. Revised: May 22, 2024



PPLA3XDLCMPM

Packaging quantity

1

Regulatory Compliance/Certifications

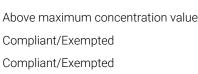
Agency

Classification

CHINA-ROHS

ROHS

UK-ROHS





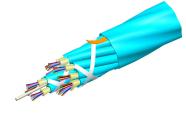
760250696 N-144-MP-5K-F12AQ/20T/B2 Fiber indoor cable, LazrSPEED® Low Smoke Zero Halogen Riser MPO Trunk, 144 fiber with 2.0 mm Subunits, Multimode OM4, Gel-free, Feet jacket marking, Aqua jacket color, B2ca Flame rating

Page 3 of 6

©2024 CommScope, Inc. All rights reserved. CommScope and the CommScope logo are registered trademarks of CommScope and/or its affiliates in the U.S. and other countries. For additional trademark information see https://www.commscope.com/trademarks. All product names, trademarks and registered trademarks are property of their respective owners. Revised: May 22, 2024



760250696 | N-144-MP-5K-F12AQ/20T/B2



Fiber indoor cable, LazrSPEED® Low Smoke Zero Halogen Riser MPO Trunk, 144 fiber with 2.0mm Subunits, Multimode OM4, Gel-free, Feet jacket marking, Aqua 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 Type | MPO trunk cable |
| Construction Type | Non-armored |
| Subunit Type | Gel-free |
| Jacket Color | Lime green |
| Jacket Marking | Feet |
| Subunit, quantity | 12 |
| Fibers per Subunit, quantity | 12 |
| Total Fiber Count | 144 |
| Dimensions | |
| Buffer Tube/Subunit Diameter | 2 mm 0.079 in |
| Diameter Over Jacket | 12.9 mm 0.508 in |

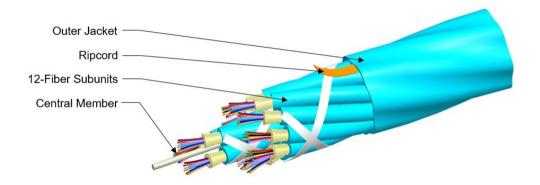
Representative Image

Page 4 of 6

©2024 CommScope, Inc. All rights reserved. CommScope and the CommScope logo are registered trademarks of CommScope and/or its affiliates in the U.S. and other countries. For additional trademark information see https://www.commscope.com/trademarks. All product names, trademarks and registered trademarks are property of their respective owners. Revised: May 18, 2024



760250696 | N-144-MP-5K-F12AQ/20T/B2



Mechanical Specifications

| Minimum Bend Radius, loaded | 194 mm 7.638 in |
|-----------------------------------|---------------------------------------|
| Minimum Bend Radius, unloaded | 129 mm 5.079 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 | 114 m 374.016 ft |
| Optical Specifications | |

Fiber Type

OM4, LazrSPEED® 550

Environmental Specifications

Installation temperature

Operating Temperature

0 °C to +60 °C (+32 °F to +140 °F) 0 °C to +70 °C (+32 °F to +158 °F)

Page 5 of 6

©2024 CommScope, Inc. All rights reserved. CommScope and the CommScope logo are registered trademarks of CommScope and/or its affiliates in the U.S. and other countries. For additional trademark information see https://www.commscope.com/trademarks. All product names, trademarks and registered trademarks are property of their respective owners. Revised: May 18, 2024

COMMSCOPE[®]

760250696 | N-144-MP-5K-F12AQ/20T/B2

| -40 °C to +70 °C (-40 °F to +158 °F) |
|---|
| ANSI/ICEA S-83-596 Telcordia GR-409 |
| B2ca |
| s1a |
| d0 |
| a1 |
| Low Smoke Zero Halogen (LSZH) |
| IEC 60332-3 IEC 60754-2 IEC 61034-2 |
| |

Environmental Test Specifications

| 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 | 179.8 kg/km 120.82 lb/kft |
| | |

* Footnotes

Operating Temperature Specification applicable to non-terminated bulk fiber cable

Page 6 of 6

©2024 CommScope, Inc. All rights reserved. CommScope and the CommScope logo are registered trademarks of CommScope and/or its affiliates in the U.S. and other countries. For additional trademark information see https://www.commscope.com/trademarks. All product names, trademarks and registered trademarks are property of their respective owners. Revised: May 18, 2024

