

PPLUGX8LCQXM



Propel ULL Multimode OM4 Cabled Module, 18x8 duplex LC Propel module on End A to 1x8f MPO/UPC pinned on End B, 144 fiber Plenum Trunk, Method B Enhanced

- This component requires 36 lanes on the Propel Panel blade
- Ultra-low loss (ULL) with Method B Enhanced polarity
- End A module can be installed from rear of panel
- Serialized QR code provides easy access to factory optical test results

Product Classification

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|-----------------------|--|
| 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 - Plenum |
| Interface, front | LC/UPC |
| Interface Feature, front | Duplex Shuttered |
| Interface Color, front | Aqua |
| Interface, rear | MPO-08/UPC Male |
| Interface Feature, rear | Key up/up Pinned |
| Module Size, end A | 8 fiber |
| Module Size, end B | 8 fiber |
| Module Quantity, end A | 18 |
| Module Quantity, end B | 18 |
| Polarity | Method B Enhanced (ULL) |
| Total Fibers, quantity | 144 |

PPLUGX8LCQXM

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|----------------------------------|--|
| Total Ports, quantity, front | 72 |
| Dimensions | |
| Height | 11 mm 0.433 in |
| Width | 65 mm 2.559 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

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|-------------------------|-----------|
| 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

PPLUGX8LCQXM

Packaging quantity 1

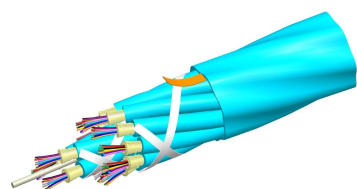
Regulatory Compliance/Certifications

| Agency | Classification |
|------------|-----------------------------------|
| CHINA-ROHS | Above maximum concentration value |
| ROHS | Compliant/Exempted |
| UK-ROHS | Compliant/Exempted |



Included Products

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|------------------------------------|--|
| 760248186 P-144-MP-5K-F08AQ/20T | – Fiber indoor cable, LazrSPEED® Plenum MPO Trunk, 144 fiber multi-unit with 8 fiber subunits, Multimode OM4, Gel-free, Feet jacket marking, Aqua jacket color |
|------------------------------------|--|



Fiber indoor cable, LazrSPEED® Plenum MPO Trunk, 144 fiber multi-unit with 8 fiber subunits, Multimode OM4, Gel-free, Feet jacket marking, Aqua 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 |

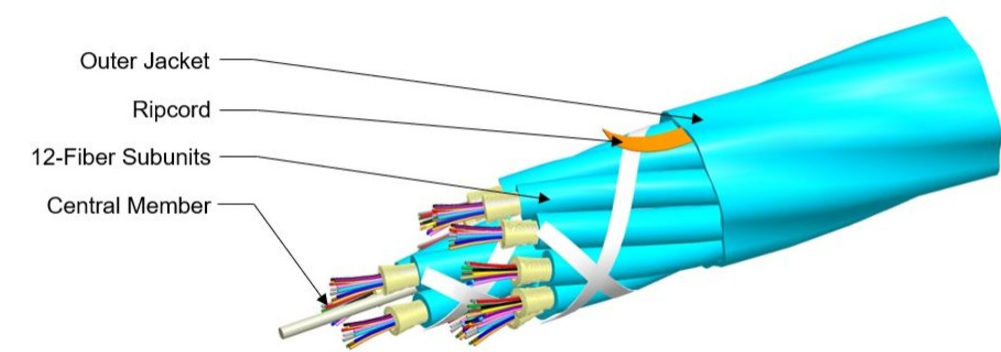
General Specifications

| | |
|------------------------------|-----------------|
| Cable Type | MPO trunk cable |
| Construction Type | Non-armored |
| Subunit Type | Gel-free |
| Jacket Color | Aqua |
| Jacket Marking | Feet |
| Subunit, quantity | 18 |
| Fibers per Subunit, quantity | 8 |
| Total Fiber Count | 144 |

Dimensions

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|------------------------------|--------------------|
| Buffer Tube/Subunit Diameter | 2 mm 0.079 in |
| Diameter Over Jacket | 12.4 mm 0.488 in |

Representative Image



Mechanical Specifications

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|-----------------------------------|---------------------------------------|
| Minimum Bend Radius, loaded | 18.6 mm 0.732 in |
| Minimum Bend Radius, unloaded | 12.4 mm 0.488 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 | 95 m 311.68 ft |

Optical Specifications

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|------------|---------------------|
| Fiber Type | OM4, LazrSPEED® 550 |
|------------|---------------------|

Environmental Specifications

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|--------------------------|------------------------------------|
| Installation temperature | 0 °C to +70 °C (+32 °F to +158 °F) |
| Operating Temperature | 0 °C to +70 °C (+32 °F to +158 °F) |

| | |
|-------------------------------|---------------------------------------|
| Storage Temperature | -40 °C to +70 °C (-40 °F to +158 °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 | 163 kg/km 109.531 lb/kft |
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* Footnotes

Operating Temperature Specification applicable to non-terminated bulk fiber cable