# PPLUGGRLCRPM



Propel ULL Singlemode Cabled Module, 9x16 duplex LC Propel module on End A to 1x16f MPO/APC non-pinned Singlemode on End B, 144 fiber Plenum Trunk, Method B Enhanced

- This component requires 4 of the 12 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

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 Type	Trunk Cable - Plenum
Interface, front	LC/UPC
Interface Feature, front	Duplex   Shuttered
Interface Color, front	Blue
Interface, rear	MPO-16/APC Female
Interface Feature, rear	Key up/up   Unpinned
Module Size, end A	16 fiber
Module Size, end B	16 fiber
Module Quantity, end A	9
Module Quantity, end B	9
Polarity	Method B Enhanced (ULL)
Total Fibers, quantity	144

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Total Ports, quantity, front	72
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

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# PPLUGGRLCRPM

#### Packaging quantity

1

## Regulatory Compliance/Certifications

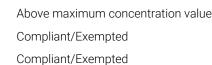
#### Agency

#### Classification

CHINA-ROHS

ROHS

UK-ROHS





### Included Products

760251020 P-144-MP-8G1-F16YL Plenum MPO Trunk Cable, 144 fiber multi-unit with 16 fiber subunits

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# 760251020 | P-144-MP-8G1-F16YL



#### Plenum MPO Trunk Cable, 144 fiber multi-unit with 16 fiber subunits

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

/Africa | North America

CommScope®

P-MP

Fiber indoor cable

### Product Classification

Regional Availability

Portfolio

Product Type

**Product Series** 

#### **General Specifications**

Cable Type	MPO trunk cable
Construction Type	Non-armored
Subunit Type	Gel-free
Jacket Color	Yellow
Jacket Marking	Feet
Subunit, quantity	9
Fibers per Subunit, quantity	16
Total Fiber Count	144

#### Dimensions

Buffer Tube/Subunit Diameter	3 mm   0.118 in
Diameter Over Jacket	13.4 mm   0.528 in

### Mechanical Specifications

Minimum Bend Radius, loaded	202 mm   7.953 in
Minimum Bend Radius, unloaded	134 mm   5.276 in
Tensile Load, long term, maximum	400 N   89.924 lbf
Tensile Load, short term, maximum	1335 N   300.12 lbf

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# 760251020 | P-144-MP-8G1-F16YL

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	219 m   718.504 ft
Optical Specifications	

Fiber Type

### **Environmental Specifications**

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

G.657.A2/B2 | G.657.A2/B2

### 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

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# 760251020 | P-144-MP-8G1-F16YL

Cable weight

186 kg/km | 124.986 lb/kft

## \* Footnotes

**Operating Temperature** Specification applicable to non-terminated bulk fiber cable

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