

# PPLU3GRLCRPM



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 B2ca 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

<b>Regional Availability</b>	Asia   Australia/New Zealand   EMEA   Latin America   North America
<b>Portfolio</b>	SYSTIMAX®
<b>Product Type</b>	Fiber cabled module
<b>Product Brand</b>	Propel
<b>Product Series</b>	PPL
<b>Ordering Note</b>	For lengths greater than 999 ft (304 m), orders must be in meters   Maximum length is 400 meters

## General Specifications

<b>Configuration Type</b>	PROPEL Module to MPO Connector
<b>Cable Color</b>	Yellow
<b>Cable Type</b>	Trunk Cable - LSZH Class B2ca
<b>Interface, front</b>	LC/UPC
<b>Interface Feature, front</b>	Duplex   Shuttered
<b>Interface Color, front</b>	Blue
<b>Interface, rear</b>	MPO-16/APC Female
<b>Interface Feature, rear</b>	Key up/up   Unpinned
<b>Module Size, end A</b>	16 fiber
<b>Module Size, end B</b>	16 fiber
<b>Module Quantity, end A</b>	9
<b>Module Quantity, end B</b>	9
<b>Polarity</b>	Method B Enhanced (ULL)
<b>Total Fibers, quantity</b>	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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**Packaging quantity** 1

## Regulatory Compliance/Certifications

<b>Agency</b>	<b>Classification</b>
CHINA-ROHS	Above maximum concentration value
ROHS	Compliant/Exempted
UK-ROHS	Compliant/Exempted



## Included Products

760251079 N-144-MP-8G1-F16YL/30T/B2	–	Fiber indoor cable, TeraSPEED® Low Smoke Zero Halogen Riser MPO Trunk, 144 fiber with 16-fiber, 3.0 mm subunits, Singlemode G.657.A2/B2, Feet jacket marking, Yellow jacket color, B2ca flame rating
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# 760251079 | N-144-MP-8G1-F16YL/30T/B2



Fiber indoor cable, TeraSPEED® Low Smoke Zero Halogen Riser MPO Trunk, 144 fiber with 16-fiber, 3.0 mm subunits, Singlemode G.657.A2 /B2, Feet jacket marking, Yellow jacket color, B2ca flame rating

## Product Classification

<b>Regional Availability</b>	Asia   Australia/New Zealand   EMEA   Latin America   North America
<b>Portfolio</b>	CommScope®
<b>Product Type</b>	Fiber indoor cable
<b>Product Series</b>	N-MP

## General Specifications

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

## Dimensions

<b>Buffer Tube/Subunit Diameter</b>	3 mm   0.118 in
<b>Diameter Over Jacket</b>	15 mm   0.591 in

## Representative Image



## Mechanical Specifications

<b>Minimum Bend Radius, loaded</b>	226 mm   8.898 in
<b>Minimum Bend Radius, unloaded</b>	150 mm   5.906 in
<b>Tensile Load, long term, maximum</b>	400 N   89.924 lbf
<b>Tensile Load, short term, maximum</b>	1335 N   300.12 lbf
<b>Compression</b>	10 N/mm   57.101 lb/in
<b>Compression Test Method</b>	FOTP-41   IEC 60794-1 E3
<b>Flex</b>	25 cycles
<b>Flex Test Method</b>	FOTP-104   IEC 60794-1 E6
<b>Impact</b>	2.94 N-m   26.021 in lb
<b>Impact Test Method</b>	FOTP-25   IEC 60794-1 E4
<b>Strain</b>	See long and short term tensile loads
<b>Strain Test Method</b>	FOTP-33   IEC 60794-1 E1
<b>Twist</b>	10 cycles
<b>Twist Test Method</b>	FOTP-85   IEC 60794-1 E7
<b>Vertical Rise, maximum</b>	188 m   616.798 ft

## Optical Specifications

<b>Fiber Type</b>	G.657.A2/B2
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## Environmental Specifications

<b>Installation temperature</b>	0 °C to +50 °C (+32 °F to +122 °F)
<b>Operating Temperature</b>	0 °C to +60 °C (+32 °F to +140 °F)

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<b>Storage Temperature</b>	-40 °C to +60 °C (-40 °F to +140 °F)
<b>Cable Qualification Standards</b>	ANSI/ICEA S-83-596   Telcordia GR-409
<b>EN50575 CPR Cable EuroClass Fire Performance</b>	B2ca
<b>EN50575 CPR Cable EuroClass Smoke Rating</b>	s1a
<b>EN50575 CPR Cable EuroClass Droplets Rating</b>	d2
<b>EN50575 CPR Cable EuroClass Acidity Rating</b>	a1
<b>Environmental Space</b>	Low Smoke Zero Halogen (LSZH)
<b>Flame Test Method</b>	IEC 60754-2   IEC 61034-2

## Environmental Test Specifications

<b>Heat Age</b>	0 °C to +85 °C (+32 °F to +185 °F)
<b>Heat Age Test Method</b>	IEC 60794-1 F9
<b>Low High Bend</b>	0 °C to +70 °C (+32 °F to +158 °F)
<b>Low High Bend Test Method</b>	FOTP-37   IEC 60794-1 E11
<b>Temperature Cycle</b>	0 °C to +70 °C (+32 °F to +158 °F)
<b>Temperature Cycle Test Method</b>	FOTP-3   IEC 60794-1 F1

## Packaging and Weights

<b>Cable weight</b>	194 kg/km   130.362 lb/kft
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## \* Footnotes

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