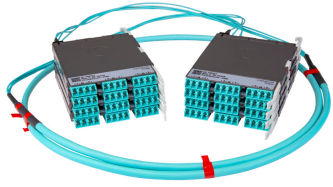


PPLUGG8LCLCH



Propel ULL Singlemode Cabled Module, 6x8 duplex LC Propel module on End A to 6x8 on End B, 48 fiber Plenum Trunk, Method B Enhanced

- This component requires 2 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	End B module is the same module as End A 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 PROPEL Module
Cable Color	Yellow
Cable Type	Trunk Cable - Plenum
Interface, front	LC/UPC
Interface Feature, front	Duplex Shuttered
Interface Color, front	Blue
Interface, rear	LC/UPC
Interface Feature, rear	Duplex Shuttered
Interface Color, rear	Blue
Module Size, end A	8 fiber
Module Size, end B	8 fiber
Module Quantity, end A	6
Module Quantity, end B	6
Polarity	Method B Enhanced (ULL)
Total Fibers, quantity	48

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Total Ports, quantity, front 24

Total Ports, quantity, rear 24

Dimensions

Height 11 mm | 0.433 in

Width 65 mm | 2.559 in

Depth 170 mm | 6.693 in

Breakout Length, end B 23 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

Regulatory Compliance/Certifications

Agency **Classification**

PPLUGG8LCLCH

CHINA-ROHS Above maximum concentration value

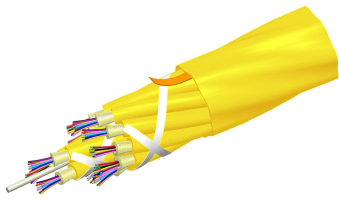
ROHS Compliant/Exempted

UK-ROHS Compliant



Included Products

760245566 - Fiber indoor cable, Plenum MPO Trunk, 48 fiber multi-unit with 8 fiber subunits, Singlemode G.
P-048-MP-8G1-F08YL/20T 657.A2/B2, Feet jacket marking, Yellow jacket color



Fiber indoor cable, Plenum MPO Trunk, 48 fiber multi-unit with 8 fiber subunits, Singlemode G.657.A2/B2, Feet jacket marking, Yellow 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

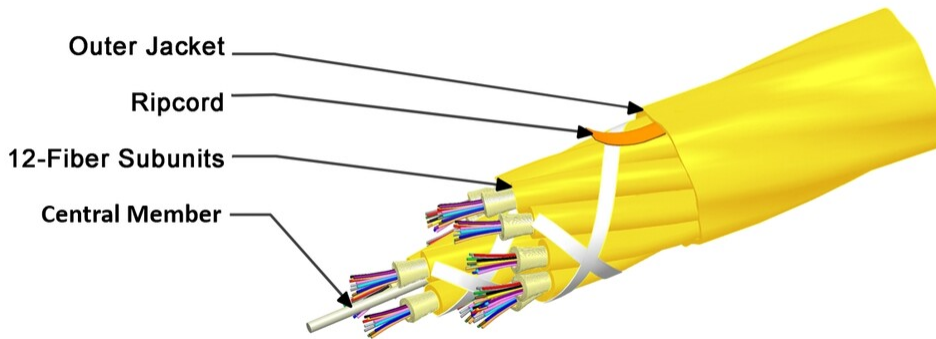
General Specifications

Cable Type	MPO trunk cable
Construction Type	Non-armored
Subunit Type	Gel-free
Jacket Color	Yellow
Jacket Marking	Feet
Subunit, quantity	6
Fibers per Subunit, quantity	8
Total Fiber Count	48

Dimensions

Buffer Tube/Subunit Diameter	2 mm 0.079 in
Diameter Over Jacket	9.3 mm 0.366 in

Representative Image



Mechanical Specifications

Minimum Bend Radius, loaded	141 mm 5.551 in
Minimum Bend Radius, unloaded	94 mm 3.701 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	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	227 m 744.751 ft

Optical Specifications

Fiber Type	G.657.A2/B2 G.657.A2/B2
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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)

760245566 | P-048-MP-8G1-F08YL/20T

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	90 kg/km 60.477 lb/kft
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Regulatory Compliance/Certifications

Agency	Classification
ISO 9001:2015	Designed, manufactured and/or distributed under this quality management system

* Footnotes

Operating Temperature Specification applicable to non-terminated bulk fiber cable