

Propel™

Fiber and connectivity platform for data centers

Ordering guide

COMMSCOPE®

Go beyond with Propel fiber and connectivity platform

Trying to improve your data center's capacity and response time or stay ahead of the explosive growth in demand? Sometimes it feels like the faster you run, the further behind you fall. If it's any consolation, you're not alone. The pressure to increase bandwidth, ensure greater agility, improve availability and accelerate deployment cuts across every data center environment—enterprise to hyperscale—and everyone up and down the IT chain.

Satisfying today's demands while preparing for tomorrow's changes starts at the bottom with your physical layer infrastructure. When it comes to the fiber cabling and connectivity to support your evolving network, the list of requirements keeps growing. Fast and reliable isn't enough anymore; you need a physical layer infrastructure that can pretty much do it all.

Propel is a modular, ultra-low loss fiber platform that supports your data center's growth through multiple upgrades and migration cycles. It features high-density fiber panels, modules, adapter packs, splice cassettes, and fiber assemblies that deliver more functionality and speed with fewer parts, and an open path to 400 Gb and 800 Gb.

Propel provides a single-source structured cabling and connectivity solution with all the bandwidth, headroom, design flexibility and ease of installation you need to keep pace with your evolving data center demands. Now you can maximize design options and manageability while reducing deployment time, cost and complexity.

That's why CommScope developed Propel, our newest high-speed fiber platform.

Modular, ultra-low loss and optimized for 16-fiber applications, Propel gives evolving data center networks a flexible, open path to 400G/800G and beyond.

For more information about Propel, visit www.commscope.com/propel.



Propel ordering process

Step 1: Choose your panel



Step 2: Choose your components



Step 3: Choose your cable assembly



1 High-density panels



Propel high-density panels are designed to adapt and grow as your needs change. Like all Propel components, the panels are completely modular and interchangeable. They support 16-fiber connectivity and up to 144 LC-connected fibers per RU—giving you the flexibility and density to seamlessly advance to 400 Gb, 800 Gb and beyond.

Propel panels incorporate unique design features that make them faster to deploy and easier to manage than older generation panels. For example, panel blades can be removed with one hand for easier maintenance and changes by a single technician. When inserted, the blades lock in place on both sides to provide more secure patching. A re-designed rear cable management system allows more cable to be securely stored and attached.

At the same time, each panel is highly versatile. Component sizes can be scaled or mixed in each panel or blade.

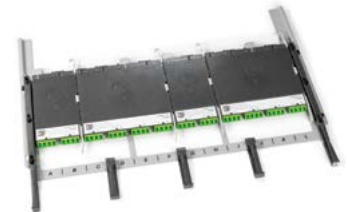
Propel sliding panels

Material ID	Product number	Description	Depth (in/mm)	Number of Blades	LC	MPO	SN
760252002	PPL-1U	Propel 1RU sliding panel	18.52/470	3 blades	72 duplex LC	72 MPO	144 SN
760252003	PPL-2U	Propel 2RU sliding panel	18.52/470	6 blades	144 duplex LC	144 MPO	288 SN
760252004	PPL-4U	Propel 4RU sliding panel	18.52/470	12 blades	288 duplex LC	288 MPO	576 SN



Propel fixed panels

Material ID	Product number	Description	Depth (in/mm)	Number of Blades	LC	MPO	SN
760253796	PPL-1U-HD-FX	Propel 1RU fixed panel	16.75/426	2 blades	48 duplex LC	48 MPO	96 SN
760253797	PPL-2U-HD-FX	Propel 2RU fixed panel	16.75/426	4 blades	96 duplex LC	96 MPO	192 SN
760253798	PPL-4U-HD-FX	Propel 4RU fixed panel	16.75/426	8 blades	192 duplex LC	192 MPO	384 SN
760254865	PPL-1U-HD-FX-OPEN	Propel 1RU fixed open panel	11.5/293	2 blades	48 duplex LC	48 MPO	96 SN
760254908	PPL-2U-HD-FX-OPEN	Propel 2RU fixed open panel	11.5/293	4 blades	96 duplex LC	96 MPO	192 SN



Components per blade

Panel size	8-fiber components	12-fiber components	16-fiber components	24-fiber components
1RU	up to 6 per blade	up to 4 per blade	up to 3 per blade	up to 2 per blade
2RU	up to 6 per blade	up to 4 per blade	up to 3 per blade	up to 2 per blade
4RU	up to 6 per blade	up to 4 per blade	up to 3 per blade	up to 2 per blade
Each blade has 12 lanes				
	Requires 2 lanes	Requires 3 lanes	Requires 4 lanes	Requires 6 lanes

Propel modules, adapter packs, trunk cables, patch cords, array cables and fanout cables

Propel modules and adapter packs

Four sizes of interchangeable Propel fiber modules and adapters provide the breadth of capabilities for virtually any configuration. Modules support ultra-low loss OM4, OM5 wideband and singlemode fiber applications. MPO modules provide plug-and-play fiber connectivity—enabling greater flexibility, faster deployment, and easier moves, adds and changes. With 8-, 12-, 16- and 24-fiber modules and a wide range of MPO, LC and SN adapter/connector options, the Propel portfolio delivers the versatility your network demands with a minimum number of components.

LC and MPO 8-, 12- and 24-fiber components feature internal shutters to provide enhanced dust protection without the need for disposable dust caps. The shutters are carefully designed to prevent contact with connector ferrules and are translucent to allow light from a VFL to show through. Modules and adapter packs of varying sizes can be mixed on each blade for a best-fit panel configuration. All modules are standardized on Method B Enhanced polarity for easier, faster deployment of duplex and parallel applications.

Propel splice cassettes

Propel splice cassettes provide an end to end Propel solution enabling delivered performance when pre-term is not possible. The splice cassettes are modular similar to other components with any size fitting on a Propel panel blade. Configurations are available with your choice of either single fiber pigtailed or ribbon fiber pigtailed.

Propel ULL trunk cables

- Propel trunk cables ship with toolless cable management clips that attached to Propel fiber panels
- Trunk pulling grips can be pulled using up to 100 lbs/45 kg of pulling tension
- Factory-terminated and tested trunk cables provide superior quality and performance for field connections
- Reliable transmit-to-receive connectivity using Method B Enhanced polarity maintenance maximizes administrative convenience
- Easy upgrade path to parallel transmission and associated applications, and increased value of existing infrastructure
- Assembly length is measured from shortest connector on End A to shortest connector on End B

Propel ULL patch cords and array cables

- MPO8 and MPO12 are available in 2 mm patch cable and MPO16 3 mm patch cable
- MPO-LC Uniboot array fanouts constructed with 2.0 mm reinforced furcation tubing for outstanding durability and dependability
- Factory-terminated and tested trunk cables provide superior quality and performance for field connections
- Array fanouts are available with multiple breakout lengths to simplify installation

Propel ULL ruggedized fanout cables

- ULL Propel compatible trunks are provisioned with pins to interface with ULL Propel modules (without pins)
- Propel trunks cables ship with toolless cable management clips that attached to Proper fiber panels
- Trunk pulling grips can be pulled using up to 100 lbs/45 kg of pulling tension
- Factory-terminated and tested trunk cables provide superior quality and performance for field connections
- Reliable transmit-to-receive connectivity using Method B Enhanced polarity maintenance maximizes administrative convenience
- Easy upgrade path to parallel transmission and associated applications, and increased value of existing infrastructure

Boot and connector housing

		MM UPC connector housing color	
Connector	Boot color	OM4	OM5
MPO8	Gray	Aqua	Lime green
MPO12	Black	Aqua	Lime green
MPO24	Red	Aqua	Lime green

		MM APC connector housing color	
Connector	Boot color	OM4	OM5
MPO8	Gray	Green	Green
MPO16	Black	Green	Green

		SM connector housing color
Connector	Boot color	Singlemode
MPO8	Gray	Green
MPO12	Black	Green
MPO16	Black	Green

2 16 fiber solutions



	Material ID	Product number	Description	Fiber type	Fiber count	Front interface	Rear interface
MPO16 modules							
3 per blade	760252352	PPL-DM-16AU-16LC-SM-BEU	Propel ULL Distribution Module, Method B Enhanced	OS2	16	8 duplex LCs with internal shutters	1 MPO16/APC non-pinned with dust cap
	760252353	PPL-DM-16AU-16LC-OM4-BEU	Propel ULL Distribution Module, Method B Enhanced	OM4	16	8 duplex LCs with internal shutters	1 MPO16/APC non-pinned with dust cap
	760252354	PPL-DM-16AU-16LC-OM5-BEU	Propel ULL Distribution Module, Method B Enhanced	OM5	16	8 duplex LCs with internal shutters	1 MPO16/APC non-pinned with dust cap
16-fiber adapter packs							
3 per blade	760252365	PPL-AP-16-LC-SM	Propel pass-through adapter pack	OS2	16	8 duplex LCs with internal shutters	8 duplex LCs with dust caps
	760252366	PPL-AP-16-LC-OM4	Propel pass-through adapter pack	OM4	16	8 duplex LCs with internal shutters	8 duplex LCs with dust caps
	760252367	PPL-AP-16-LC-OM5	Propel pass-through adapter pack	OM5	16	8 duplex LCs with internal shutters	8 duplex LCs with dust caps
	760252804	PPL-AP-8-MPO16-ALL-B	Propel pass-through adapter pack, Type B	All	128	8 MPO16 Key Up with dust caps	8 MPO16 Key Up with dust caps
6 per blade	760252806	PPL-AP-4-MPO16-ALL-B	Propel pass-through adapter pack, Type B	All	64	4 MPO16 Key Up with dust caps	4 MPO16 Key Up with dust caps
4 per blade	760252805	PPL-AP-6-MPO16-ALL-B	Propel pass-through adapter pack, Type B	All	96	6 MPO16 Key Up with dust caps	6 MPO16 Key Up with dust caps
2 per blade	760252803	PPL-AP-12-MPO16-ALL-B	Propel pass-through adapter pack, Type B	All	192	12 MPO16 Key Up with dust caps	12 MPO16 Key Up with dust caps
16-fiber splice cassettes							
3 per blade	760255048	PPL-SP-16LC-SM-PT-BEU	Propel ULL splice cassette, Method B Enhanced	OS2	16	8 duplex LCs with internal shutters	single fiber pigtails
	760255049	PPL-SP-16LC-OM4-PT-BEU	Propel ULL splice cassette, Method B Enhanced	OM4	16	8 duplex LCs with internal shutters	single fiber pigtails
	760255050	PPL-SP-16LC-OM5-PT-BEU	Propel ULL splice cassette, Method B Enhanced	OM5	16	8 duplex LCs with internal shutters	single fiber pigtails
	760255051	PPL-SP-16LC-SM-RPT-BEU	Propel ULL splice cassette, Method B Enhanced	OS2	16	8 duplex LCs with internal shutters	ribbon fiber pigtail

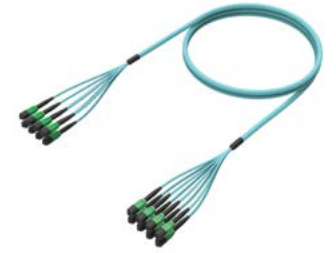
16-Fiber Cabled Modules

1 2 3 PPL	4 U	5 G	6 X	7 R	8 L	9 C	10 L	11 C	12 R	13 -	14 E	15 M	16-18 003
	Polarity U Method B Enhanced, ULL	Cable Family G Trunk, Plenum J Trunk, Dual Rated (OFNR/LSZH) 3 Trunk, LSZH CPR B2ca Q Array, Plenum (single subunit) R Array, Dual Rated (OFNR/LSZH, single subunit)	Fiber Type X OM4 multimode V OM5 multimode G Singlemode (A2)	Fibers per End A Module (each) R 16-fiber	Connector 1 - End A LC LC UPC SN SN UPC	Connector 2 - End B LC Propel module with LC UPC* SN Propel module with SN UPC* RX MPO16 (pinned) RZ MPO16 MM APC (pinned) UC Unconnectorized stub	Cable Fiber Count** R 16-fiber S 32-fiber H 48-fiber U 64-fiber L 96-fiber M 144-fiber N 192-fiber	End B Breakout length A No breakout (array, stub) E 23" breakout (Propel panel)	UOM F Feet M Meter	Length 010-999 Feet 003-400 Meters			

* End B with module will be the same module as End A
 **Cable Fiber Count determines how many modules are on End A

3 Cable assemblies

Propel MPO16 APC assemblies



MPO16 multimode APC trunk cables

Two cable clips come with each MPO cable assembly

1 U	2 G	3 X	4 R	5 Z	6 R	7 Z	8	9 R	10 -	11 M	12 J	13 F	14-16 010
Construction type U Ultra-low loss	Cable family 3 Trunk, LSZH CPR B2ca G Trunk, Plenum J Trunk, Dual Rated (OFNR/LSZH)	Fiber type X OM4 multimode V OM5 WB multimode	Connector 1 RZ 16f MPO MM APC (Pinned)	Connector 2 RZ 16f MPO MM APC (Pinned) UC Unconnectorized (Stub)	Cordage size 8 16f PmP Trunk, 3.0mm SU	Fiber count R 16-fiber S 32-fiber H 48-fiber U 64-fiber L 96-fiber Q 128-fiber M 144-fiber N 192-fiber	Color M OM4 Aqua N OM5 Lime green	Breakout length J 22" Break Propel No Pull Grip K 22" Break Propel Pull Grip	UOM F Feet M Meter	Length 010-999 ft 003-999 m			



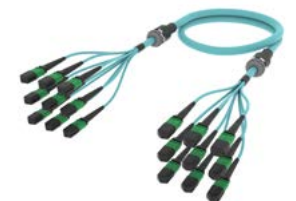
MPO16 multimode APC patch cords

1 U	2 Q	3 X	4 R	5 V	6 R	7 V	8 7	9 R	10 -	11 M	12 A	13 F	14-16 003
Construction type U Ultra-low loss	Cable family Q Plenum Array R Dual Rated (OFNR/LSZH)	Fiber type X OM4 multimode V OM5 WB multimode	Connector 1 RV 16f MPO MM APC (Non-Pinned)	Connector 2 RV 16f MPO MM APC (Non-Pinned)	Cordage size 7 16f PmP Array Cord, 3mm	Fiber count R 16-fiber	Color M OM4 Aqua N OM5 Lime green	Breakout length A No gland	UOM F Feet M Meter	Length 001-999 ft 001-305 m			



MPO16 multimode APC array cords

1 U	2 Q	3 X	4 R	5 V	6 L	7 U	8 7	9 R	10 -	11 M	12 D	13 F	14-16 003
Construction type U Ultra-low loss	Cable family Q Plenum Array R Dual Rated (OFNR/LSZH)	Fiber type X OM4 multimode V OM5 WB multimode	Connector 1 RV 16f MPO MM APC (Non-Pinned) RZ 16f MPO MM APC (Pinned)	Connector 2 LU LC Uniboot	Cordage size 7 16f PmP Array Cord, 3mm	Fiber count R 16-fiber	Color M OM4 Aqua N OM5 Lime green	Breakout length D 12" E 24" S 36" H 48" V 60" L 72"	UOM F Feet M Meter	Length 002-999 ft 001-304 m			



MPO 16 Armored trunk cable multimode MPO APC

1 U	2 H	3 X	4 R	5 Z	6 R	7 Z	8 8	9 R	10 -	11 M	12 J	13 F	14-16 003
Construction type U Ultra-low loss	Cable family H Plenum Armored K LSZH Armored	Fiber type X OM4 multimode V OM5 WB multimode	Connector 1 RZ 16f MPO MM APC (Pinned)	Connector 2 RZ 16f MPO MM APC (Pinned) UC Unconnectorized (Stub)	Cordage size 8 16f PmP Trunk 3.0mm SU	Fiber count R 16 fiber S 32 fiber H 48 fiber U 64 fiber L 96 fiber Q 128 fiber M 144 fiber N 192 fiber	Color M Aqua N Lime green	Breakout length J 22" Break Propel No Pull Grip K 22" Break Propel Pull Grip	UOM F Feet M Meter	Length 010-999 Feet 003-999 Meters			

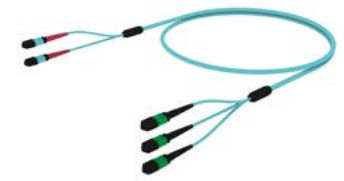
3 Cable assemblies

Propel MPO16 APC assemblies



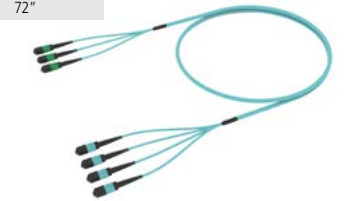
MPO16 multimode 1x2 conversion array cords

1 U	2 Q	3 X	4 R	5 V	6 Q	7 P	8 7	9 R	10 -	11 M	12 D	13 F	14-16 003
Construction type U Ultra-low loss	Cable family Q Plenum Array R Dual Rated (OFNR/LSZH)	Fiber type X OM4 multimode V OM5 WB multimode	Connector 1 RV 16f MPO MM APC (Non-Pinned)	Connector 2 QP 8f MPO MM UPC (Non-Pinned) QV 8f MPO MM APC (Non-Pinned)	Cordage size 7 16f PmP Array Cord, 3mm	Fiber count R 16-fiber	Color M OM4 Aqua N OM5 Lime green	Breakout length D 12" E 24" S 36" H 48" V 60" L 72"	UOM F Feet M Meter	Length 003-999 ft 001-305 m			



MPO16 multimode 2x3 conversion array cords

1 U	2 Q	3 X	4 2	5 P	6 R	7 V	8 B	9 H	10 -	11 M	12 D	13 F	14-16 004
Construction type U Ultra-low loss	Cable family Q Plenum Array R Dual Rated (OFNR/LSZH)	Fiber type X OM4 multimode V OM5 WB multimode	Connector 1 2P 24f MPO MM (Non-pinned) 2X 24f MPO MM (pinned)	Connector 2 RV 16f MPO APC (Non-pinned)	Cordage size B 24f PmP Array Cord, 3.6mm	Fiber count H 48-Fiber	Color M Aqua N Lime Green	Breakout length D 12" E 24" S 36" H 48" V 60" L 72"	UOM F Feet M Meter	Length 004-999 ft 002-305 m			



MPO16 multimode 3x4 conversion array cords

1 U	2 Q	3 X	4 R	5 V	6 M	7 P	8 A	9 H	10 -	11 M	12 D	13 F	14-16 004
Construction type U Ultra-low loss	Cable family Q Plenum Array R Dual Rated (OFNR/LSZH)	Fiber type X OM4 multimode V OM5 WB multimode	Connector 1 RV 16f MPO MM APC (Non-pinned)	Connector 2 MP 12f MPO MM UPC (Non-pinned)	Cordage size A 12f PmP Array Cord, 3mm	Fiber count H 48-Fiber	Color M Aqua N Lime Green	Breakout length D 12" E 24" S 36" H 48" V 60" L 72"	UOM F Feet M Meter	Length 004-999 ft 002-305 m			

MPO 16 Ruggedized fanout multimode MPO APC

1 U	2 L	3 X	4 R	5 Z	6 L	7 U	8 T	9 R	10 -	11 M	12 4	13 F	14-16 007
Construction type U Ultra-low loss	Cable family L Rugged F/O - Plenum N Rugged F/O - LSZH 4 Rugged F/O - LSZH Class B2ca	Fiber type X OM4 multimode V OM5 WB multimode	Connector 1 RZ 16f MPO MM APC (Pinned) RV 16f MPO MM APC (Non-pinned)	Connector 2 LU LC Uniboot	Cordage size T 16f PmP Trunk 3.0mm SU	Fiber count R 16 fiber S 32 fiber H 48 fiber U 64 fiber L 96 fiber M 144 fiber N 192 fiber	Color M Aqua N Lime green	Breakout length 4 22" Both Ends, MTG Clips included 5 22" Both Ends, MTG Clips included Pull Grip Side A	UOM F Feet M Meter	Length 007-999 Feet 002-999 Meters			

3 Cable assemblies

Propel MPO16 APC assemblies



MPO16 singlemode APC trunk cables

1 U	2 G	3 G	4 R	5 X	6 R	7 X	8 8	9 R	10 -	11 J	12 J	13 F	14-16 010
Construction type U Ultra-low loss	Cable family 3 Trunk, LSZH CPR B2ca G Trunk, Plenum J Trunk, Dual Rated (OFNR/LSZH)	Fiber type G Singlemode (A2)	Connector 1 RX 16f MPO SM APC (Pinned)	Connector 2 RX 16f MPO SM APC (Pinned)	Cordage size 8 16f PmP Trunk, 3.0mm SU		Fiber count R 16-fiber S 32-fiber H 48-fiber U 64-fiber L 96-fiber Q 128-fiber M 144-fiber N 192-fiber	Color J Yellow	Breakout length J 22" Break Propel No Pull Grip K 22" Break Propel Pull Grip		UOM F Feet M Meter	Length 010-999 ft 003-999 m	



MPO16 singlemode APC patch cords

1 U	2 Q	3 G	4 R	5 P	6 R	7 P	8 7	9 R	10 -	11 J	12 A	13 F	14-16 003
Construction type U Ultra-low loss	Cable family Q Plenum Array R Dual Rated (OFNR/LSZH)	Fiber type G Singlemode (A2)	Connector 1 RP 16f MPO SM APC (Non-Pinned)	Connector 2 RP 16f MPO SM APC (Non-Pinned)	Cordage size 7 16f PmP Array Cord, 3mm		Fiber count R 16-fiber	Color J Yellow	Breakout length A No gland		UOM F Feet M Meter	Length 002-999 ft 001-305 m	



MPO16 singlemode APC array cords

1 U	2 Q	3 G	4 R	5 P	6 L	7 U	8 7	9 R	10 -	11 J	12 D	13 F	14-16 003
Construction type U Ultra-low loss	Cable family Q Plenum Array R Dual Rated (OFNR/LSZH)	Fiber type G Singlemode (A2)	Connector 1 RP 16f MPO SM APC (Non-Pinned) RX 16f MPO SM APC (Pinned)	Connector 2 LU LC Uniboot	Cordage size 7 16f PmP Array Cord, 3mm		Fiber count R 16-fiber	Color J Yellow	Breakout length D 12" E 24" S 36" H 48" V 60" L 72"		UOM F Feet M Meter	Length 002-999 ft 001-304 m	



MPO 16 Armored trunk cable singlemode MPO APC

1 U	2 H	3 G	4 R	5 X	6 R	7 X	8 8	9 R	10 -	11 J	12 J	13 F	14-16 010
Construction type U Ultra-low loss	Cable family H Plenum Armored K LSZH Armored	Fiber type G Singlemode A2	Connector 1 RX 16f MPO SM APC (Pinned)	Connector 2 RX 16f MPO SM APC (Pinned) UC Unconnectorized (Stub)	Cordage size 8 16f PmP Trunk 3.0mm SU		Fiber count R 16 fiber S 32 fiber H 48 fiber U 64 fiber L 96 fiber Q 128 fiber M 144 fiber N 192 fiber	Color J Yellow	Breakout length J 22" Break Propel No Pull Grip K 22" Break Propel Pull Grip		UOM F Feet M Meter	Length 010-999 Feet 003-999 Meters	

3 Cable assemblies

Propel MPO16 APC assemblies



MPO16 multimode 1x2 conversion array cords

1 U	2 Q	3 G	4 R	5 P	6 Q	7 P	8 7	9 R	10 -	11 J	12 D	13 F	14-16 003
Construction type U Ultra-low loss	Cable family Q Plenum Array R Dual Rated (OFNR/LSZH)	Fiber type G Singlemode (A2)	Connector 1 RP 16f MPO SM APC (Non-Pinned)	Connector 2 QP 8f MPO SM APC (Non-Pinned)	Cordage size 7 16f PmP Array Cord, 3mm	Fiber count R 16-fiber	Color J Yellow	Breakout length D 12" E 24" S 36" H 48" V 60" L 72"	UOM F Feet M Meter	Length 003-999 Feet 001-305 Meters			



MPO16 singlemode 2x3 conversion array cords

1 U	2 Q	3 G	4 2	5 P	6 R	7 P	8 B	9 H	10 -	11 J	12 D	13 F	14-16 004
Construction type U Ultra-low loss	Cable family Q Plenum Array R Dual Rated (OFNR/LSZH)	Fiber type G Teraspeed SM 6.657.A2	Connector 1 2P 24f MPO (Non-pinned) 2X 24f MPO (pinned)	Connector 2 RP 16f MPO (Non-pinned)	Cordage size B 24f PmP Array Cord, 3.6mm	Fiber count H 48-Fiber	Color J Yellow	Breakout length D 12" E 24" S 36" H 48" V 60" L 72"	UOM F Feet M Meter	Length 004-999 ft 002-305 m			



MPO16 singlemode 3x4 conversion array cords

1 U	2 Q	3 G	4 R	5 P	6 M	7 P	8 A	9 H	10 -	11 J	12 D	13 F	14-16 004
Construction type U Ultra-low loss	Cable family Q Plenum Array R Dual Rated (OFNR/LSZH)	Fiber type G Teraspeed SM 6.657.A2	Connector 1 RP 16f MPO (Non-pinned) 2D 24f MPO (Non Pinned QSFP-DD; 16 live fibers) 2E 24f MPO (Non-pinned QSFP; 16 live fibers)	Connector 2 MP 12f MPO (Non-pinned) MX 12f MPO (Pinned)	Cordage size A 12f PmP Array Cord, 3mm	Fiber count H 48-Fiber	Color J Yellow	Breakout length D 12" No Gland E 24" No Gland H 48" No Gland L 72" No Gland	UOM F Feet M Meter	Length 004-999 ft 002-305 m			

MPO 16 Ruggedized fanout singlemode MPO APC

1 U	2 L	3 G	4 R	5 X	6 L	7 U	8 T	9 R	10 -	11 J	12 4	13 F	14-16 007
Construction type U Ultra-low loss	Cable family L Rugged F/O - Plenum N Rugged F/O - LSZH 4 Rugged F/O - LSZH Class B2ca	Fiber type G Singlemode A2	Connector 1 RX 16f MPO SM APC (Pinned) RP 16f MPO SM APC (Non-Pinned)	Connector 2 LU LC Uniboot	Cordage size T 16f PmP Trunk 3.0mm SU	Fiber count R 16 fiber S 32 fiber H 48 fiber U 64 fiber L 96 fiber M 144 fiber N 192 fiber	Color J Yellow	Breakout length 4 22" Both Ends, MTG Clips included Non-pull Side A 5 22" Both Ends, MTG Clips included Pull Grip Side A	UOM F Feet M Meter	Length 007-999 Feet 002-999 Meters			

2 8 fiber solutions



	Material ID	Product number	Description	Fiber type	Fiber count	Front interface	Rear interface
MPO8 modules with MPO/UPC in multimode							
6 per blade	760252332	PPL-DM-8U-8LC-OM4-BEU	Propel ULL distribution module, Method B Enhanced	OM4	8	4 duplex LCs with internal shutters	1 MPO8 non-pinned with internal shutter
	760252333	PPL-DM-8U-8LC-OM5-BEU	Propel ULL distribution module, Method B Enhanced	OM5	8	4 duplex LCs with internal shutters	1 MPO8 non-pinned with internal shutter
	760252334	PPL-DM-8AU-8LC-SM-BEU	Propel ULL distribution module, Method B Enhanced	OS2	8	4 duplex LCs with internal shutters	1 MPO8/APC non-pinned with internal shutter
2 per blade	760252337	PPL-DM-8U-24LC-OM4-BEU	Propel ULL distribution module, Method B Enhanced	OM4	24	12 duplex LCs with internal shutters	3 MPO8 non-pinned with internal shutters
	760252338	PPL-DM-8U-24LC-OM5-BEU	Propel ULL distribution module, Method B Enhanced	OM5	24	12 duplex LCs with internal shutters	3 MPO8 non-pinned with internal shutters
	760252339	PPL-DM-8AU-24LC-SM-BEU	Propel ULL distribution module, Method B Enhanced	OS2	24	12 duplex LCs with internal shutters	3 MPO8/APC non-pinned with internal shutters
MPO8 modules with MPO/APC in multimode							
6 per blade	760252335	PPL-DM-8AU-8LC-OM4-BEU	Propel ULL distribution module, Method B Enhanced	OM4	8	4 duplex LCs with internal shutters	1 MPO8/APC non-pinned with internal shutter
	760252336	PPL-DM-8AU-8LC-OM5-BEU	Propel ULL distribution module, Method B Enhanced	OM5	8	4 duplex LCs with internal shutters	1 MPO8/APC non-pinned with internal shutter
MPO8 Mesh Module							
6 per blade	760256114	PPL-MM-8AU-8AP-OM4-BEU	Propel ULL mesh module, Method B Enhanced	OM4	32	4 MPO8/APC non-pinned with internal shutter	4 MPO8/APC pinned with internal shutter
	760256115	PPL-MM-8AU-8AP-OM5-BEU	Propel ULL mesh module, Method B Enhanced	OM5	32	4 MPO8/APC non-pinned with internal shutter	4 MPO8/APC pinned with internal shutter
	760256116	PPL-MM-8AU-8AP-SM-BEU	Propel ULL mesh module, Method B Enhanced	SM	32	4 MPO8/APC non-pinned with internal shutter	4 MPO8/APC pinned with internal shutter
	760256117	PPL-MM-8U-8P-OM4-BEU	Propel ULL mesh module, Method B Enhanced	OM4	32	4 MPO8 non-pinned with internal shutter	4 MPO8 pinned with internal shutter
	760256118	PPL-MM-8U-8P-OM5-BEU	Propel ULL mesh module, Method B Enhanced	OM5	32	4 MPO8 non-pinned with internal shutter	4 MPO8 pinned with internal shutter
8-fiber adapter packs							
6 per blade	760252359	PPL-AP-8-LC-SM	Propel pass-through adapter pack	OS2	8	4 duplex LCs with internal shutters	4 duplex LCs with dust caps
	760252360	PPL-AP-8-LC-OM4	Propel pass-through adapter pack	OM4	8	4 duplex LCs with internal shutters	4 duplex LCs with dust caps
	760252361	PPL-AP-8-LC-OM5	Propel pass-through adapter pack	OM5	8	4 duplex LCs with internal shutters	4 duplex LCs with dust caps
	760252371	PPL-AP-4-MPO-ALL-B	Propel pass-through adapter pack, Type B	All	32	4 MPO 8/12/24 Key Up with internal shutters	4 MPO 8/12/24 Key Up with dust caps

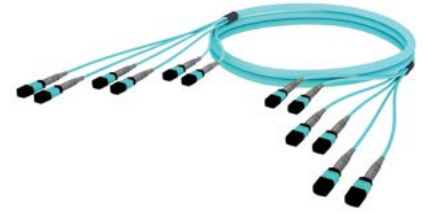
8-Fiber Cabled Modules

1 2 3 PPL	4 U	5 G	6 X	7 8	8 L	9 C	10 L	11 C	12 8	13 -	14 E	15 M	16-18 003
Polarity U Method B Enhanced, ULL	Cable Family G Trunk, Plenum J Trunk, Dual Rated (OFNR/LSZH) 3 Trunk, LSZH CPR B2ca Q Array, Plenum (single subunit) R Array, Dual Rated (OFNR/LSZH, single subunit)	Fiber Type X OM4 multimode V OM5 multimode G Singlemode (A2)	Fibers per End A Module (each) 8 8-fiber	Connector 1 - End A LC LC UPC SN SN UPC	Connector 2 - End B LC Propel module with LC UPC* SN Propel module with SN UPC* QX MPO8 (pinned) UC Unconnectorized stub	Cable Fiber Count** 8 8-fiber R 16-fiber F 24-fiber S 32-fiber H 48-fiber U 64-fiber K 72-fiber L 96-fiber M 144-fiber N 192-fiber	End B Breakout length A No breakout (array, stub) E 23" breakout (Propel panel)	UOM F Feet M Meter	Length 010-999 Feet 003-400 Meters				

* End B with module will be the same module as End A
 **Cable Fiber Count determines how many modules are on End A

3 Cable assemblies

Propel MPO8 UPC assemblies



MPO8 multimode UPC trunk cables

1	2	3	4	5	6	7	8	9	10	11	12	13	14-16
U	G	X	Q	X	Q	X	T	8	-	M	K	F	010
Construction type U Ultra-low loss	Cable family 3 Trunk, LSZH CPR B2ca G Trunk, Plenum Rated (OFNR/LSZH)	Fiber type X OM4 multimode V OM5 WB multimode	Connector 1 QX 8f MM UPC MPO (Pinned)	Connector 2 QX 8f MM UPC MPO (Pinned)	Cordage size T 8f PmP Trunk, 2.0mm SU	Fiber count 8 8-fiber R 16-fiber F 24-fiber S 32-fiber H 48-fiber U 64-fiber K 72-fiber L 96-fiber M 144-fiber N 192-fiber	Color M OM4 Aqua N OM5 Lime green	Breakout length J 22" Break Propel No Pull Grip K 22" Break Propel Pull Grip	UOM F Feet M Meter	Length 010-999 ft 003-999 m			



MPO8 multimode UPC patch cords

1	2	3	4	5	6	7	8	9	10	11	12	13	14-16
U	Q	X	Q	P	Q	P	F	8	-	M	A	F	001
Construction type U Ultra-low loss	Cable family Q Plenum Array Dual Rated (OFNR/LSZH)	Fiber type X OM4 multimode V OM5 WB multimode	Connector 1 QP 8f MM UPC MPO (Non-pinned)	Connector 2 QP 8f MM UPC MPO (Non-pinned)	Cordage size F 8f PmP Array Cord, 2mm	Fiber count 8 8-fiber	Color M OM4 Aqua N OM5 Lime green	Breakout length A No Gland	UOM F Feet M Meter	Length 001-999 ft 001-305 m			



MPO8 multimode UPC array cords

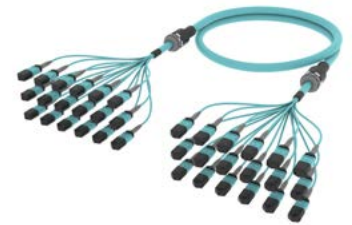
1	2	3	4	5	6	7	8	9	10	11	12	13	14-16
U	Q	X	Q	P	L	U	F	8	-	M	D	F	003
Construction type U Ultra-low loss	Cable family Q Plenum Array Dual Rated (OFNR/LSZH)	Fiber type X OM4 multimode V OM5 WB multimode	Connector 1 QP 8f MPO MM UPC (Non-pinned) QX 8f MPO MM UPC (Pinned)	Connector 2 LU LC Uniboot	Cordage size F 8f PmP Array Cord, 2mm	Fiber count 8 8-fiber	Color M OM4 Aqua N OM5 Lime green	Breakout length D 12" E 24" S 36" H 48" W 60" L 72"	UOM F Feet M Meter	Length 002-999 Feet 001-304 Meters			

3 Cable assemblies

Propel MPO8 UPC assemblies

MPO 8 Ruggedized fanout multimode MPO UPC

1 U	2 L	3 X	4 Q	5 X	6 L	7 U	8 T	9 8	10 -	11 M	12 4	13 F	14-16 007
Construction type U Ultra-low loss	Cable family L Rugged F/O - Plenum N Rugged F/O - LSZH 4 Rugged F/O - LSZH Class B2ca	Fiber type X OM4 multimode V OM5 WB multimode	Connector 1 QP 8f MPO MM UPC (Non-pinned) QX 8f MPO MM UPC (Pinned)		Connector 2 LU LC Uniboot		Cordage size T 8f PmP Trunk 2.0mm SU	Fiber count 8 8 fiber R 16 fiber F 24 fiber S 32 fiber H 48 fiber U 64 fiber K 72 fiber L 96 fiber M 144 fiber N 192 fiber P 288 fiber		Color M Aqua N Lime green	Breakout length 4 22" Both Ends, MTG Clips included Non-pull Side A 5 22" Both Ends, MTG Clips included Pull Grip Side A	UOM F Feet M Meter	Length 007-999 Feet 002-999 Meters

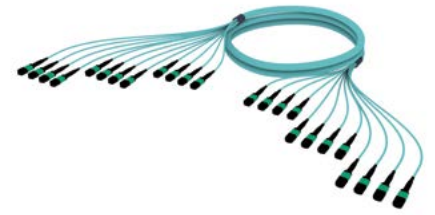


MPO 8 Armored trunk cable multimode MPO UPC

1 U	2 H	3 X	4 Q	5 X	6 Q	7 X	8 T	9 R	10 -	11 M	12 J	13 F	14-16 010
Construction type U Ultra-low loss	Cable family H Plenum Armored K LSZH Armored	Fiber type X OM4 multimode V OM5 WB multimode	Connector 1 QX 8f MPO MM UPC (Pinned)		Connector 2 QX 8f MPO MM UPC (Pinned) UC Unconnectorized (Stub)		Cordage size T 8f PmP Trunk 2.0mm SU	Fiber count 8 8 fiber R 16 fiber F 24 fiber S 32 fiber H 48 fiber U 64 fiber K 72 fiber L 96 fiber M 144 fiber N 192 fiber		Color M Aqua N Lime green	Breakout length J 22" Break Propel No Pull Grip K 22" Break Propel Pull Grip	UOM F Feet M Meter	Length 010-999 Feet 003-999 Meters

3 Cable assemblies

Propel MPO8 APC assemblies



MPO8 multimode APC trunk cables

1 U	2 G	3 X	4 Q	5 Z	6 Q	7 Z	8 T	9 8	10 -	11 M	12 K	13 F	14-16 010
Construction type U Ultra-low loss	Cable family 3 Trunk, LSZH CPR B2ca G Trunk, Plenum J Trunk, Dual Rated (OFNR/LSZH)	Fiber type X OM4 multimode V OM5 WB multimode	Connector 1 QZ 8f MPO MM APC (Pinned)	Connector 2 QZ 8f MPO MM APC (Pinned)	Cordage size T 8f PmP Trunk, 2.0mm SU		Fiber count 8 8-fiber R 16-fiber F 24-fiber S 32-fiber H 48-fiber U 64-fiber K 72-fiber L 96-fiber M 144-fiber N 192-fiber	Color M OM4 Aqua N OM5 Lime green	Breakout length J 22" Break Propel No Pull Grip K 22" Break Propel Pull Grip	UOM F Feet M Meter	Length 010-999 ft 003-999 m		



MPO8 multimode APC patch cords

1 U	2 Q	3 X	4 Q	5 V	6 Q	7 V	8 F	9 8	10 -	11 M	12 A	13 F	14-16 010
Construction type U Ultra-low loss	Cable family Q Plenum Array R Dual Rated (OFNR/LSZH)	Fiber type X OM4 multimode V OM5 WB multimode	Connector 1 QV 8f MPO MM APC (Non-Pinned)	Connector 2 QV 8f MPO MM APC (Non-Pinned)	Cordage size F 8f PmP Array Cord, 2mm		Fiber count 8 8-fiber	Color M OM4 Aqua N OM5 Lime green	Breakout length A No Gland	UOM F Feet M Meter	Length 003-999 ft 001-305 m		



MPO8 multimode APC array cords

1 U	2 Q	3 X	4 Q	5 V	6 L	7 U	8 F	9 8	10 -	11 M	12 D	13 F	14-16 003
Construction type U Ultra-low loss	Cable family Q Plenum Array R Dual Rated (OFNR/LSZH)	Fiber type X OM4 multimode V OM5 WB multimode	Connector 1 QV 8f MPO MM APC (Non-pinned) QZ 8f MPO MM APC (Pinned)	Connector 2 LU LC Uniboot	Cordage size F 8f PmP Array Cord, 2mm		Fiber count 8 8-fiber	Color M OM4 Aqua N OM5 Lime green	Breakout length D 12" E 24" S 36" H 48" W 60" L 72"	UOM F Feet M Meter	Length 002-999 Feet 001-304 Meters		

3 Cable assemblies

Propel MPO8 APC assemblies



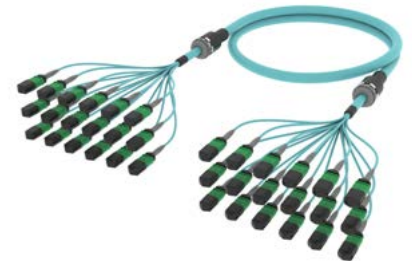
MPO16 multimode APC conversion array cords

1 U	2 Q	3 X	4 R	5 V	6 Q	7 V	8 7	9 R	10 -	11 M	12 D	13 F	14-16 003
Construction type U Ultra-low loss	Cable family Q Plenum Array R Dual Rated (OFNR/LSZH)	Fiber type X OM4 multimode V OM5 WB multimode	Connector 1 RV 16f MPO MM APC (Non-Pinned)	Connector 2 QV 8f MPO MM APC (Non-Pinned)	Cordage size 7 16f PmP Array Cord, 3mm	Fiber count R 16-fiber	Color M OM4 Aqua N OM5 Lime green	Breakout length D 12" E 24" S 36" H 48" W 60" L 72"	UOM F Feet M Meter	Length 003-999 Feet 001-305 Meters			



MPO 8 Ruggedized fanout multimode MPO APC

1 U	2 L	3 X	4 Q	5 Z	6 L	7 U	8 T	9 8	10 -	11 M	12 4	13 F	14-16 007
Construction type U Ultra-low loss	Cable family L Rugged F/O - Plenum N Rugged F/O - LSZH 4 Rugged F/O - LSZH Class B2ca	Fiber type X OM4 multimode V OM5 WB multimode	Connector 1 QZ 8f MPO MM APC (Pinned) QV 8f MPO MM APC (Non-pinned)	Connector 2 LU LC Uniboot	Cordage size T 8f PmP Trunk 2.0mm SU	Fiber count 8 8 fiber R 16 fiber F 24 fiber S 32 fiber H 48 fiber U 64 fiber K 72 fiber L 96 fiber M 144 fiber N 192 fiber P 288 fiber	Color M Aqua N Lime green	Breakout length 4 22" Both Ends, MTG Clips included Non-pull Side A 5 22" Both Ends, MTG Clips included Pull Grip Side A	UOM F Feet M Meter	Length 007-999 Feet 002-999 Meters			

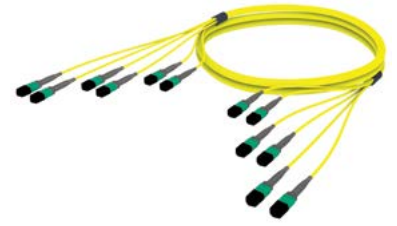


MPO 8 Armored trunk cable multimode MPO APC

1 U	2 H	3 X	4 Q	5 Z	6 Q	7 Z	8 T	9 R	10 -	11 M	12 J	13 F	14-16 010
Construction type U Ultra-low loss	Cable family H Plenum Armored K LSZH Armored	Fiber type X OM4 multimode V OM5 WB multimode	Connector 1 QZ 8f MPO MM APC (Pinned)	Connector 2 QZ 8f MPO MM APC (Pinned) UC Unconnectorized (Stub)	Cordage size T 8f PmP Trunk 2.0mm SU	Fiber count 8 8 fiber R 16 fiber F 24 fiber S 32 fiber H 48 fiber U 64 fiber K 72 fiber L 96 fiber M 144 fiber N 192 fiber	Color M Aqua N Lime green	Breakout length J 22" Break Propel No Pull Grip K 22" Break Propel Pull Grip	UOM F Feet M Meter	Length 010-999 Feet 003-999 Meters			

3 Cable assemblies

Propel MPO8 APC assemblies



MPO8 singlemode APC trunk cables

1 U	2 G	3 G	4 Q	5 X	6 Q	7 X	8 T	9 8	10 -	11 J	12 J	13 F	14-16 010
Construction type U Ultra-low loss	Cable family 3 Trunk, LSZH CPR B2ca G Trunk, Plenum Rated (OFNR/LSZH)	Fiber type G Singlemode (A2)	Connector 1 QX 8f MPO SM APC (Pinned)	Connector 2 QX 8f MPO SM APC (Pinned)	Cordage size T 8f PmP Trunk, 2.0mm SU		Fiber count 8 8-fiber R 16-fiber F 24-fiber S 32-fiber H 48-fiber U 64-fiber K 72-fiber L 96-fiber M 144-fiber N 192-fiber	Color J Yellow	Breakout length J 22" Break Propel No Pull Grip K 22" Break Propel Pull Grip	UOM F Feet M Meter	Length 010-999 ft 003-999 m		



MPO8 singlemode APC patch cord

1 U	2 Q	3 G	4 Q	5 P	6 Q	7 P	8 F	9 8	10 -	11 J	12 A	13 F	14-16 001
Construction type U Ultra-low loss	Cable family Q Plenum Array R Dual Rated (OFNR/LSZH)	Fiber type G Singlemode (A2)	Connector 1 QP 8f MPO SM APC (Non-pinned)	Connector 2 QP 8f MPO SM APC (Non-pinned)	Cordage size F 8f PmP Array Cord, 2mm		Fiber count 8 8-fiber	Color J Yellow	Breakout length A No Gland	UOM F Feet M Meter	Length 001-999 ft 001-305 m		

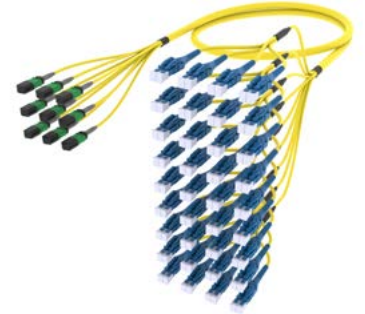


MPO8 singlemode APC array cords

1 U	2 Q	3 G	4 Q	5 P	6 L	7 U	8 F	9 8	10 -	11 J	12 D	13 F	14-16 003
Construction type U Ultra-low loss	Cable family Q Plenum Array R Dual Rated (OFNR/LSZH)	Fiber type G Singlemode (A2)	Connector 1 QP 8f MPO SM APC (Non-pinned) QX 8f MPO SM APC (Pinned)	Connector 2 LU LC Uniboot	Cordage size F 8f PmP Array Cord, 2mm		Fiber count 8 8-fiber	Color J Yellow	Breakout length D 12" E 24" S 36" H 48" W 60" L 72"	UOM F Feet M Meter	Length 002-999 Feet 001-304 Meters		

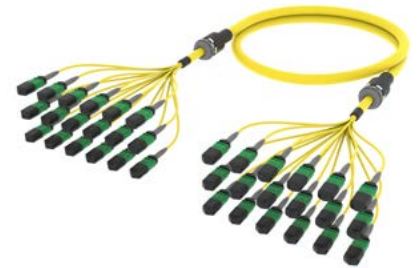
3 Cable assemblies

Propel MPO8 APC assemblies



MPO 8 Ruggedized fanout singlemode MPO APC

1 U	2 L	3 G	4 QX	5 X	6 L	7 U	8 T	9 8	10 -	11 J	12 4	13 F	14-16 007
Construction type U Ultra-low loss	Cable family L Rugged F/O - Plenum N Rugged F/O - LSZH 4 Rugged F/O - LSZH Class B2ca	Fiber type G Singlemode A2	Connector 1 QX 8f MPO MM APC (Pinned) QP 8f MPO MM APC (Non-pinned)	Connector 2 LU LC Uniboot	Cordage size T 8f PmP Trunk 2.0mm SU	Fiber count 8 8 fiber R 16 fiber F 24 fiber S 32 fiber H 48 fiber U 64 fiber K 72 fiber L 96 fiber M 144 fiber N 192 fiber P 288 fiber	Color J Yellow	Breakout length 4 22" Both Ends, MTG Clips included Non-pull Side A 5 22" Both Ends, MTG Clips included Pull Grip Side A	UOM F Feet M Meter	Length 007-999 Feet 002-999 Meters			



MPO 8 Armored trunk cable multimode MPO APC

1 U	2 H	3 G	4 QX	5 X	6 Q	7 X	8 T	9 R	10 -	11 J	12 J	13 F	14-16 010
Construction type U Ultra-low loss	Cable family H Plenum Armored K LSZH Armored	Fiber type G Singlemode A2	Connector 1 QX 8f MPO SM APC (Pinned)	Connector 2 QX 8f MPO SM APC (Pinned) UC Unconnectorized (Stub)	Cordage size T 8f PmP Trunk 2.0mm SU	Fiber count 8 8 fiber R 16 fiber F 24 fiber S 32 fiber H 48 fiber U 64 fiber K 72 fiber L 96 fiber M 144 fiber N 192 fiber	Color J Yellow	Breakout length J 22" Break Propel No Pull Grip K 22" Break Propel Pull Grip	UOM F Feet M Meter	Length 010-999 Feet 003-999 Meters			

2 12 fiber solutions



	Material ID	Product number	Description	Fiber type	Fiber count	Front interface	Rear interface
MPO12 modules							
4 per blade	760252343	PPL-DM-12U-12LC-OM4-BEU	Propel ULL distribution module, Method B Enhanced	OM4	12	6 duplex LCs with internal shutters	1 MPO12 non-pinned with internal shutter
	760252344	PPL-DM-12U-12LC-OM5-BEU	Propel ULL distribution module, Method B Enhanced	OM5	12	6 duplex LCs with internal shutters	1 MPO12 non-pinned with internal shutter
	760252345	PPL-DM-12AU-12LC-SM-BEU	Propel ULL distribution module, Method B Enhanced	OS2	12	6 duplex LCs with internal shutters	1 MPO12/APC non-pinned with internal shutter
2 per blade	760252346	PPL-DM-12U-24LC-OM4-BEU	Propel ULL distribution module, Method B Enhanced	OM4	24	12 duplex LCs with internal shutters	2 MPO12 non-pinned with internal shutters
	760252347	PPL-DM-12U-24LC-OM5-BEU	Propel ULL distribution module, Method B Enhanced	OM5	24	12 duplex LCs with internal shutters	2 MPO12 non-pinned with internal shutters
	760252348	PPL-DM-12AU-24LC-SM-BEU	Propel ULL distribution module, Method B Enhanced	OS2	24	12 duplex LCs with internal shutters	2 MPO12/APC non-pinned with internal shutters
12-fiber adapter packs							
4 per blade	760252362	PPL-AP-12-LC-SM	Propel pass-through adapter pack	OS2	12	6 duplex LCs with internal shutters	6 duplex LCs with dust caps
	760252363	PPL-AP-12-LC-OM4	Propel pass-through adapter pack	OM4	12	6 duplex LCs with internal shutters	6 duplex LCs with dust caps
	760252364	PPL-AP-12-LC-OM5	Propel pass-through adapter pack	OM5	12	6 duplex LCs with internal shutters	6 duplex LCs with dust caps
	760252372	PPL-AP-6-MPO-ALL-B	Propel pass-through adapter pack, Type B	All	72	6 MPO 8/12/24 Key Up with internal shutters	6 MPO 8/12/24 Key Up with dust caps
12-fiber splice cassettes							
4 per blade	760255043	PPL-SP-12LC-SM-PT-BEU	Propel ULL splice cassette, Method B Enhanced	OS2	12	6 duplex LCs with internal shutters	single fiber pigtailed
	760255046	PPL-SP-12LC-SM-RPT-BEU	Propel ULL splice cassette, Method B Enhanced	OS2	12	6 duplex LCs with internal shutters	ribbon fiber pigtail
	760255044	PPL-SP-12LC-OM4-PT-BEU	Propel ULL splice cassette, Method B Enhanced	OM4	12	6 duplex LCs with internal shutters	single fiber pigtailed
	760255045	PPL-SP-12LC-OM5-PT-BEU	Propel ULL splice cassette, Method B Enhanced	OM5	12	6 duplex LCs with internal shutters	single fiber pigtailed
	760255047	PPL-SP-12LC-OM4-RPT-BEU	Propel ULL splice cassette, Method B Enhanced	OM4	12	6 duplex LCs with internal shutters	ribbon fiber pigtail

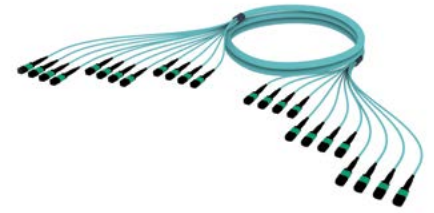
12-Fiber Cabled Modules

1 2 3 PPL	4 U	5 G	6 X	7 D	8 9 L C	10 11 L C	12 D	13 -	14 E	15 M	16-18 003
	Polarity U Method B Enhanced, ULL	Cable Family G Trunk, Plenum J Trunk, Dual Rated (OFNR/LSZH) 3 Trunk, LSZH CPR B2ca Q Array, Plenum (single subunit) R Array, Dual Rated (OFNR/LSZH, single subunit)	Fiber Type X OM4 multimode V OM5 multimode G Singlemode (A2)	Fibers per End A Module (each) D 12-fiber	Connector 1 - End A LC LC UPC SN SN UPC	Connector 2 - End B LC Propel module with LC UPC* SN Propel module with SN UPC* MX MPO12 (pinned) UC Unconnectorized stub	Cable Fiber Count** D 12-fiber F 24-fiber G 36-fiber H 48-fiber K 72-fiber L 96-fiber M 144-fiber N 192-fiber P 288-fiber	End B Breakout length A No breakout (array, stub) E 23" breakout (Propel panel)		UOM F Feet M Meter	Length 010-999 Feet 003-400 Meters

* End B with module will be the same module as End A
 **Cable Fiber Count determines how many modules are on End A

3 Cable assemblies

Propel MPO12 assemblies



MPO12 singlemode & multimode trunk cables

1	2	3	4	5	6	7	8	9	10	11	12	13	14-16
U	G	X	M	X	M	X	C	D	-	M	J	F	010
Construction type U Ultra-low loss	Cable family 3 Trunk, LSZH CPR B2ca G Trunk, Plenum J Trunk, Dual Rated (OFNR/LSZH)	Fiber type G singlemode (A2) X OM4 multimode V OM5 WB multimode	Connector 1 MX 12f MPO (Pinned)	Connector 2 MX 12f MPO (Pinned)	Cordage size C 12f PmP Trunk, 2.0mm SU		Fiber count D 12-fiber F 24-fiber G 36-fiber H 48-fiber K 72-fiber L 96-fiber M 144-fiber N 192-fiber P 288-fiber	Color M OM4 Aqua N OM5 Lime green J Yellow	Breakout length J 22" Break Propel No Pull Grip K 22" Break Propel Pull Grip	UOM F Feet M Meter	Length 010-999 ft 003-999 m		



MPO12 singlemode & multimode patch cords

1	2	3	4	5	6	7	8	9	10	11	12	13	14-16
U	Q	X	M	P	M	P	U	D	-	M	A	F	001
Construction type U Ultra-low loss	Cable family Q Plenum Array R Dual Rated (OFNR/LSZH)	Fiber type G Singlemode (A2) X OM4 multimode V OM5 WB multimode	Connector 1 MP 12f MPO (Non-pinned)	Connector 2 MP 12f MPO (Non-pinned)	Cordage size U 12f PmP Array Cord, 2mm		Fiber count D 12-fiber	Color M OM4 Aqua N OM5 Lime green J Yellow	Breakout length A No gland	UOM F Feet M Meter	Length 001-305 m		

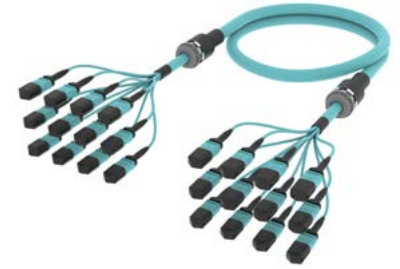


MPO12 singlemode & multimode array cords

1	2	3	4	5	6	7	8	9	10	11	12	13	14-16
U	Q	G	M	P	L	U	U	D	-	M	D	F	003
Construction type U Ultra-low loss	Cable family Q Plenum Array R Dual Rated (OFNR/LSZH)	Fiber type G Singlemode (A2) X OM4 multimode V OM5 WB multimode	Connector 1 MP 12f MPO (Non-pinned) MX 12f MPO (Pinned)	Connector 2 LU LC Uniboot	Cordage size U 12f PmP Array Cord, 2mm		Fiber count D 12-fiber	Color M OM4 Aqua N OM5 Lime green J Yellow	Breakout length D 12" E 24" S 36" H 48" W 60" L 72"	UOM F Feet M Meter	Length 002-999 Feet 001-304 Meters		

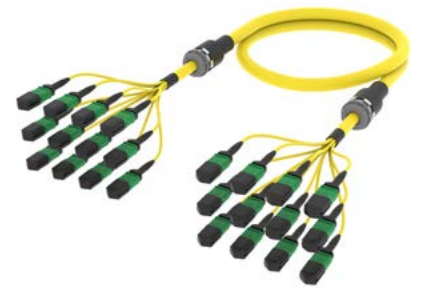
3 Cable assemblies

Propel MPO12 assemblies



MPO 12 Armored trunk cables multimode MPO UPC

1 U	2 H	3 X	4 M	5 X	6 M	7 X	8 C	9 D	10 -	11 M	12 J	13 F	14-16 010
Construction type U Ultra-low loss	Cable family H Plenum Armored K LSZH Armored	Fiber type X OM4 multimode V OMS WB multimode	Connector 1 MX 12f MPO UPC (Pinned)	Connector 2 MX 12f MPO UPC (Pinned)	Cordage size C 12f PmP Trunk, 2.0mm SU		Fiber count D 12-fiber F 24-fiber G 36-fiber H 48-fiber K 72-fiber L 96-fiber M 144-fiber N 192-fiber P 288-fiber	Color M OM4 Aqua green N OMS Lime green	Breakout length J 22" Break Propel No Pull Grip K 22" Break Propel Pull Grip		UOM F Feet M Meter	Length 010-999 ft 003-999 m	



MPO 12 Armored trunk cables singlemode MPO APC

1 U	2 H	3 G	4 M	5 X	6 M	7 X	8 C	9 D	10 -	11 J	12 J	13 F	14-16 010
Construction type U Ultra-low loss	Cable family H Plenum Armored K LSZH Armored	Fiber type G Singlemode A2	Connector 1 MX 12f MPO APC (Pinned)	Connector 2 MX 12f MPO APC (Pinned)	Cordage size C 12f PmP Trunk, 2.0mm SU		Fiber count D 12-fiber F 24-fiber G 36-fiber H 48-fiber K 72-fiber L 96-fiber M 144-fiber N 192-fiber P 288-fiber	Color J Yellow	Breakout length J 22" Break Propel No Pull Grip K 22" Break Propel Pull Grip		UOM F Feet M Meter	Length 010-999 ft 003-999 m	

3 Cable assemblies

Propel MPO12 assemblies

MPO 12 Ruggedized fanout multimode MPO UPC

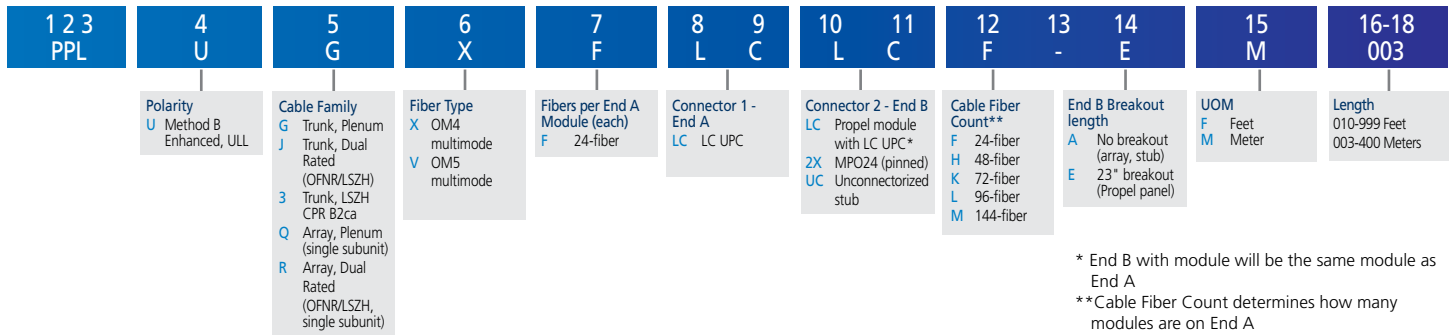
1 U	2 L	3 X	4 M	5 X	6 L	7 U	8 C	9 D	10 -	11 M	12 4	13 F	14-16 007	
Construction type U Ultra-low loss	Cable family L Rugged F/O - Plenum N Rugged F/O - LSZH 4 Rugged F/O - LSZH Class B2ca	Fiber type X OM4 multimode V OM5 WB multimode	Connector 1 MX 12f MPO UPC (Pinned) MP 12F MPO UPC (Non-Pinned)		Connector 2 LU LC Uniboot		Cordage size C 12-Fiber MP, 2.0mm SU	Fiber count D 12 fiber F 24 fiber S 32 fiber G 36 fiber H 48 fiber K 72 fiber L 96 fiber M 144 fiber N 192 fiber P 288 fiber			Color M Aqua N Lime green	Breakout length 4 22" Both Ends, MTG Clips included Non-pull Side A 5 22" Both Ends, MTG Clips included Pull Grip Side A	UOM F Feet M Meter	Length 007-999 Feet 002-999 Meters

2 24 fiber solutions



	Material ID	Product number	Description	Fiber type	Fiber count	Front interface	Rear interface
MPO24 modules							
2 per blade	760252356	PPL-DM-24U-24LC-OM4-BEU	Propel ULL distribution module, Method B Enhanced	OM4	24	12 duplex LCs with internal shutters	1 MPO24 non-pinned with internal shutter
	760252357	PPL-DM-24U-24LC-OM5-BEU	Propel ULL distribution module, Method B Enhanced	OM5	24	12 duplex LCs with internal shutters	1 MPO24 non-pinned with internal shutter
24-fiber adapter packs							
2 per blade	760252368	PPL-AP-24-LC-SM	Propel pass-through adapter pack	OS2	24	12 duplex LCs with internal shutters	12 duplex LCs with dust caps
	760252369	PPL-AP-24-LC-OM4	Propel pass-through adapter pack	OM4	24	12 duplex LCs with internal shutters	12 duplex LCs with dust caps
	760252370	PPL-AP-24-LC-OM5	Propel pass-through adapter pack	OM5	24	12 duplex LCs with internal shutters	12 duplex LCs with dust caps
	760252374	PPL-AP-12-MPO-ALL-B	Propel pass-through adapter pack, Type B	All	144	12 MPO 8/12/24 Key Up with internal shutters	12 MPO 8/12/24 Key Up with dust caps
24-fiber splice cassettes							
2 per blade	760255053	PPL-SP-24LC-SM-PT-BEU	Propel ULL splice cassette, Method B Enhanced	OS2	24	12 duplex LCs with internal shutters	single fiber pigtails
	760255054	PPL-SP-24LC-OM4-PT-BEU	Propel ULL splice cassette, Method B Enhanced	OM4	24	12 duplex LCs with internal shutters	single fiber pigtails
	760255055	PPL-SP-24LC-OM5-PT-BEU	Propel ULL splice cassette, Method B Enhanced	OM5	24	12 duplex LCs with internal shutters	single fiber pigtails
	760255056	PPL-SP-24LC-SM-RPT-BEU	Propel ULL splice cassette, Method B Enhanced	OS2	24	12 duplex LCs with internal shutters	ribbon fiber pigtail
	760255057	PPL-SP-24LC-OM4-RPT-BEU	Propel ULL splice cassette, Method B Enhanced	OM4	24	12 duplex LCs with internal shutters	ribbon fiber pigtail

24-Fiber Cabled Modules



Cable assemblies

Propel MPO24 assemblies



MPO24 multimode trunk cables

1 U	2 G	3 X	4 2	5 X	6 2	7 X	8 B	9 H	10 -	11 M	12 J	13 F	14-16 010
Construction type U Ultra-low loss	Cable family 3 Trunk, LSZH CPR B2ca G Trunk, Plenum J Trunk, Dual Rated (OFNR/LSZH)	Fiber type X OM4 multimode V OMS WB multimode	Connector 1 2X 24f MPO (pinned)	Connector 2 2X 24f MPO (pinned)	Cordage size B 24-fiber PmP Trunk	Fiber count F 24-fiber H 48-fiber K 72-fiber L 96-fiber M 144-fiber	Color M OM4 Aqua N OM5 Lime green	Breakout length J 22" Break Propel No Pull Grip K 22" Break Propel Pull Grip	UOM F Feet M Meter	Length 010-999 ft 003-999 m			



MPO24 multimode patch cords

1 U	2 Q	3 V	4 2	5 P	6 2	7 P	8 H	9 F	10 -	11 N	12 A	13 F	14-16 002
Construction type U Ultra-low loss	Cable family Q Plenum array R LSZH array	Fiber type X OM4 multimode V OMS WB multimode	Connector 1 2P 24f MPO (non-pinned)	Connector 2 2P 24f MPO (non-pinned)	Cordage size H 24-fiber PmP Array Cord	Fiber count F 24-fiber	Color M OM4 Aqua N OM5 Lime green	Breakout length A No gland	UOM F Feet M Meter	Length 002-999 ft 001-305 m			

2 SN modules



SN modules

SN modules	Material ID	Product number	Description	Fiber type	Fiber count	Front interface	Rear interface
6 per blade	760252342	PPL-DM-8AU-8SN-SM-BEU	Propel ULL distribution module, Method B Enhanced	OS2	16	8 SNs with dust caps	2 MPO8/APC non-pinned with internal shutters
6 per blade	760252355	PPL-DM-16AU-8SN-SM-BEU	Propel ULL distribution module, Method B Enhanced	OS2	16	8 SNs with dust caps	1 MPO16/APC non-pinned with dust cap

3 Cable assemblies

Propel SN assemblies



SN singlemode arrays

1 U	2 L	3 G	4 S	5 N	6 S	7 N	8 T	9 8	10 -	11 J	12 J	13 F	14-16 010
Construction type U Ultra-low loss	Cable family L Rugged F/O - Plenum N Rugged F/O - LSZH	Fiber type G Singlemode	Connector 1 SN SN	Connector 2 SN SN LU LC Uniboot	Cordage size T 8f PmP Trunk, 2.0mm SU		Fiber count 8 8-fiber R 16-fiber F 24-fiber S 32-fiber H 48-fiber K 72-fiber L 96-fiber M 144-fiber N 196-fiber P 288-fiber	Color J Yellow	Breakout length E 24" Both No Gland F 24" Both with Gland H 48" Both No Gland J 48" Both with Gland L 72" Both No Gland M 72" Both with Gland		UOM F Feet M Meter	Length 008-999 ft 003-999 m	

SN singlemode jumpers

1 U	2 D	3 G	4 S	5 N	6 S	7 N	8 K	9 2	10 -	11 J	12 X	13 F	14-16 003
Construction type U Ultra-low loss	Cable family D Plenum F Dual Rated (OFNR/LSZH)	Fiber type G Singlemode	Connector 1 SN SN	Connector 2 SN SN LU LC Uniboot	Cordage size K 1.5 mm		Fiber count 2 2-fiber	Color J Yellow	Breakout length X No Breakout		UOM F Feet M Meter	Length 001-999 ft 001-999 m	



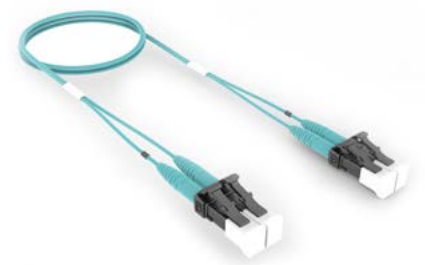
3 Cable assemblies



SYSTIMAX LC Uniboot patch cords

1 U	2 D	3 X	4 L U	5 L U	6 6	7 2	8 - M	9 X	10 F	11-12 010
Construction type U Ultra-low loss	Cable family D Plenum F LSZH/Riser	Fiber type G Singlemode (A2) X OM4 multimode V OM5 WB multimode	Connector 1 LU LC Uniboot	Connector 2 LU LC Uniboot	Cordage size K 1.5 mm 6 2.0 mm	Fiber count 2 2-fiber	Color M OM4 Aqua N OM5 Lime green J Yellow	Breakout length X No breakout	UOM F Feet M Meter	Length 2-200 Feet 1-061 Meters

Other lengths available please contact CommScope



SYSTIMAX fiber-optic LC patch cords

1 U	2 D	3 X	4 L	5 C	6 L	7 C	8 4	9 2	10 -	11 M	12 X	13 F	14-16 001
Construction type U Ultra-low loss	Cable family D Plenum F LSZH/Riser	Fiber type G Singlemode (A2) X OM4 multimode V OM5 WB multimode	Connector 1 LC Standard	Connector 2 LC LC Standard	Cordage size 2 1.6mm simplex 4 1.6mm zipcord	Fiber count 1 1-fiber 2 2-fiber	Color M OM4 Aqua N OM5 Lime green J Yellow	Breakout length X No breakout	UOM F Feet M Meter	Length 001-999 Feet 001-999 Meters			

MPO8 to LC front facing breakout module

The MPO8 to LC front facing breakout module allows for easy breakout of QSFP, QSFP-DD and OSFP transceivers to duplex LC interfaces at the front of a Propel fiber panel. The module enables switch port replication with standard MPO8 un-pinned to un-pinned patch cords connecting the transceiver into the MPO interface. Compatible 2-fiber fiber transceivers are connected into the four duplex LC interfaces of the module.

- ULL performance with Method B Enhanced polarity
- Serialized QR code provides easy access to factory optical test results
- Module breaks out (4) 8-fiber transceivers per Propel blade



	Material ID	Product number	Description	Fiber type	Fiber count	Front interface	Rear interface
4 per blade	760254866	PPL-DM-NULL-8APLC-SM-BEU	Propel ULL front facing breakout module, Method B Enhanced	OS2	8	4 duplex LCs with internal shutters and 1 MPO8/APC pinned with internal shutter	None
	760254867	PPL-DM-NULL-8PLC-OM4-BEU	Propel ULL front facing breakout module, Method B Enhanced	OM4	8	4 duplex LCs with internal shutters and 1 MPO8 pinned with internal shutter	None
	760254868	PPL-DM-NULL-8PLC-OM5-BEU	Propel ULL front facing breakout module, Method B Enhanced	OM5	8	4 duplex LCs with internal shutters and 1 MPO8 pinned with internal shutter	None

Accessories

Propel color collars snap onto the front pull rod to easily identify different networks within a building or data center.

Material ID	Description
760254219	Propel Color Collar – Red, 25 pack
760254220	Propel Color Collar – Green, 25 pack
760254221	Propel Color Collar – Rose, 25 pack
760254222	Propel Color Collar – Brown, 25 pack
760254223	Propel Color Collar – Orange, 25 pack
760254224	Propel Color Collar – Yellow, 25 pack
760254225	Propel Color Collar – Blue, 25 pack
760254226	Propel Color Collar – Aqua, 25 pack
760254227	Propel Color Collar – Violet, 25 pack
760254228	Propel Color Collar – Gray, 25 pack



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CO-115982.9-EN (05/24)