

# 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, adapters, 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](http://www.commscope.com/propel).



# Propel ordering process

**Step 1:** Choose your panel



**Step 2:** Choose your adapter packs or modules



**Step 3:** Choose your cable assembly



# 1 High-density panels

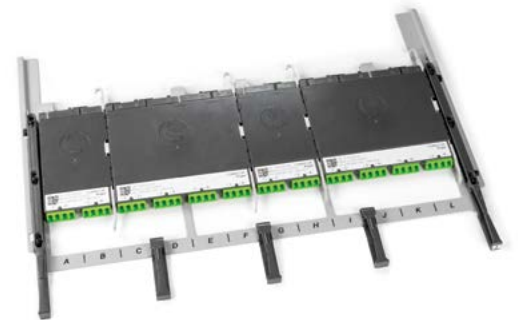


Propel high-density panels are designed to adapt and grow as your needs change. Like all Propel components, the panels are completely modular and interchangeable. They support 16-fiber connectivity and up to 144 LC-connected fibers per RU—giving you the flexibility and density to seamlessly advance to 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. Module and adapter pack sizes can be scaled or mixed in each panel or blade.

Material ID	Product number	Description	Height (in/mm)	Width (in/mm)	Depth (in/mm)	Weight (lbs/kg)	Density
760252002	PPL-1U	Propel 1RU sliding panel	1.75/44	19/483	18.52/470	11.7/5.3	72 duplex LC, 72 MPO, 144 SN
760252003	PPL-2U	Propel 2RU sliding panel	3.50/89	19/483	18.52/470	17.3/7.9	144 duplex LC, 144 MPO, 288 SN
760252004	PPL-4U	Propel 4RU sliding panel	7.00/178	19/483	18.52/470	30.5/13.8	288 duplex LC, 288 MPO, 576 SN



## Modules and adapter packs per blade

Product number	8-fiber modules/adapter packs	12-fiber modules/adapter packs	16-fiber modules/adapter packs	24-fiber modules/adapter packs
PPL-1U	up to 6 per blade/18 per panel	up to 4 per blade/12 per panel	up to 3 per blade/9 per panel	up to 2 per blade/6 per panel
PPL-2U	up to 6 per blade/36 per panel	up to 4 per blade/24 per panel	up to 3 per blade/18 per panel	up to 2 per blade/12 per panel
PPL-4U	up to 6 per blade/72 per panel	up to 4 per blade/48 per panel	up to 3 per blade/36 per panel	up to 2 per blade/24 per panel
<b>Each blade has 12 lanes</b>				
	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 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

## 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 trunk 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 MPO16 solutions



	Material ID	Product number	Description	Fiber type	Fiber count	Front interface	Rear interface
<b>MPO16 modules</b>							
9 per 1RU	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
<b>16-fiber adapter packs</b>							
9 per 1RU	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
18 per 1 RU	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
12 per 1 RU	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
6 per 1RU	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

# 3 Cable assemblies

## Propel MPO16 APC assemblies



### MPO16 multimode APC trunk cables

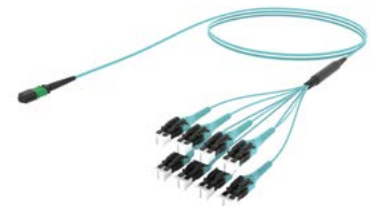
Two cable clips come with each MPO cable assembly

1 U	2 G	3 X	4 R	5 Z	6 R	7 Z	8 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 003-305 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 010-999 ft 003-305 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" H 48" L 72"	UOM F Feet M Meter	Length 12 in 3-999 ft 24 in 4-999 ft 48 in 6-999 ft 72 in 8-999 ft 12 in 1-305 m 24-48 in 2-305 m 72 in 3-305 m			



### MPO16 multimode APC 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" H 48" L 72"	UOM F Feet M Meter	Length 12 in 3-999 ft 24 in 4-999 ft 48 in 6-999 ft 72 in 8-999 ft 12 in 1-305 m 24-48 in 2-305 m 72 in 3-305 m			

# 3 Cable assemblies

## Propel MPO16 APC assemblies



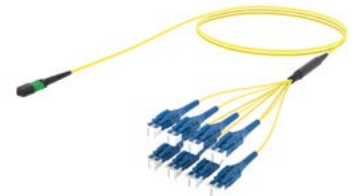
MPO16 singlemode APC trunk cables

1	2	3	4	5	6	7	8	9	10	11	12	13	14-16
U	G	G	R	X	R	X	8	R	-	J	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)	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 003-305 m			



MPO16 singlemode APC patch cords

1	2	3	4	5	6	7	8	9	10	11	12	13	14-16
U	Q	G	R	P	R	P	7	R	-	J	A	F	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 010-999 ft 003-305 m			



MPO16 singlemode APC array cords

1	2	3	4	5	6	7	8	9	10	11	12	13	14-16
U	Q	G	R	P	L	U	7	R	-	J	D	F	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" H 48" L 72"	UOM F Feet M Meter	Length 12 in 3-999 ft 24 in 4-999 ft 48 in 6-999 ft 72 in 8-999 ft 12 in 1-305 m 24-48 in 2-305 m 72 in 3-305 m			



MPO16 singlemode APC conversion array cords

1	2	3	4	5	6	7	8	9	10	11	12	13	14-16
U	Q	G	R	P	Q	P	7	R	-	J	D	F	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" H 48" L 72"	UOM F Feet M Meter	Length 12 in 3-999 ft 24 in 4-999 ft 48 in 6-999 ft 72 in 8-999 ft 12 in 1-305 m 24-48 in 2-305 m 72 in 3-305 m			



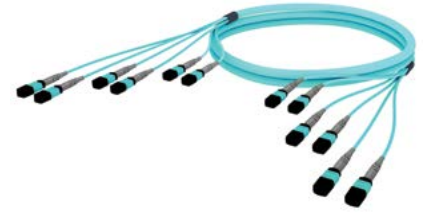
## 2 MPO8 solutions



	Material ID	Product number	Description	Fiber type	Fiber count	Front interface	Rear interface
<b>MPO8 modules with MPO/UPC in multimode</b>							
18 per 1RU	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
6 per 1RU	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
<b>MPO8 modules with MPO/APC in multimode</b>							
18 per 1RU	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
<b>8-fiber adapter packs</b>							
18 per 1RU	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

# 3 Cable assemblies

## Propel MPO8 UPC assemblies



MPO8 multimode UPC trunk cables

1 U	2 G	3 X	4 Q	5 X	6 Q	7 X	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 Rated (OFNR/LSZH) J Trunk, Dual 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 003-305 m		



MPO8 multimode UPC patch cords

1 U	2 Q	3 X	4 Q	5 P	6 Q	7 P	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 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 010-999 ft 003-305 m		

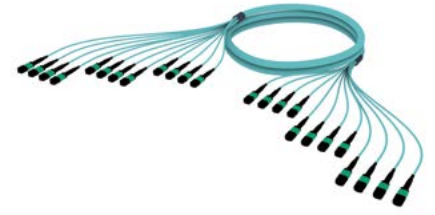


MPO8 multimode UPC array cords

1 U	2 Q	3 X	4 Q	5 P	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 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" H 48" L 72"	UOM F Feet M Meter	Length 12 in 3-999 ft 24 in 4-999 ft 48 in 6-999 ft 72 in 8-999 ft 12 in 1-305 m 24-48 in 2-305 m 72 in 3-305 m		

# 3 Cable assemblies

## Propel MPO8 APC assemblies



### MPO8 multimode APC trunk cables

1	2	3	4	5	6	7	8	9	10	11	12	13	14-16	
<b>U</b>	<b>G</b>	<b>X</b>	<b>Q</b>	<b>Z</b>	<b>Q</b>	<b>Z</b>	<b>T</b>	<b>8</b>	<b>8</b>	<b>-</b>	<b>M</b>	<b>K</b>	<b>F</b>	<b>010</b>
Construction type <b>U</b> Ultra-low loss	Cable family <b>3</b> Trunk, LSZH CPR B2ca <b>G</b> Trunk, Plenum Rated (OFNR/LSZH)	Fiber type <b>X</b> OM4 multimode <b>V</b> OM5 WB multimode	Connector 1 <b>QZ</b> 8f MPO MM APC (Pinned)	Connector 2 <b>QZ</b> 8f MPO MM APC (Pinned)	Cordage size <b>T</b> 8f PmP Trunk, 2.0mm SU	Fiber count <b>8</b> 8-fiber <b>R</b> 16-fiber <b>F</b> 24-fiber <b>S</b> 32-fiber <b>H</b> 48-fiber <b>U</b> 64-fiber <b>K</b> 72-fiber <b>L</b> 96-fiber <b>M</b> 144-fiber <b>N</b> 192-fiber	Color <b>M</b> OM4 Aqua <b>N</b> OM5 Lime green <b>J</b> Yellow	Breakout length <b>J</b> 22" Break Propel No Pull Grip <b>K</b> 22" Break Propel Pull Grip	UOM <b>F</b> Feet <b>M</b> Meter	Length 010-999 ft 003-305 m				



### MPO8 multimode APC patch cords

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



### MPO8 multimode APC array cords

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

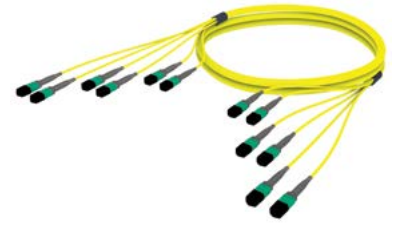


### MPO16 multimode APC conversion array cords

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

# 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 (AZ)	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 003-305 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	14-16 010
Construction type U Ultra-low loss	Cable family Q Plenum Array R Dual Rated (OFNR/LSZH)	Fiber type G Singlemode (AZ)	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 010-999 ft 003-305 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 (AZ)	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" H 48" L 72"	UOM F Feet M Meter	Length 12 in 3-999 ft 24 in 4-999 ft 48 in 6-999 ft 72 in 8-999 ft 12 in 1-305 m 24-48 in 2-305 m 72 in 3-305 m			

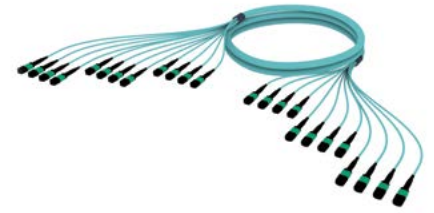
## 2 MPO12 solutions



	Material ID	Product number	Description	Fiber type	Fiber count	Front interface	Rear interface
<b>MPO12 modules</b>							
12 per 1RU	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
6 per 1RU	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
<b>12-fiber adapter packs</b>							
12 per 1RU	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

# 3 Cable assemblies

## Propel MPO12 assemblies



### MPO12 singlemode & multimode trunk cables

<b>1</b> U	<b>2</b> G	<b>3</b> X	<b>4</b> M	<b>5</b> X	<b>6</b> M	<b>7</b> X	<b>8</b> C	<b>9</b> D	<b>10</b> -	<b>11</b> M	<b>12</b> J	<b>13</b> F	<b>14-16</b> 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 003-305 m		



### MPO12 singlemode & multimode patch cords

<b>1</b> U	<b>2</b> Q	<b>3</b> X	<b>4</b> M	<b>5</b> P	<b>6</b> M	<b>7</b> P	<b>8</b> U	<b>9</b> D	<b>10</b> -	<b>11</b> M	<b>12</b> A	<b>13</b> F	<b>14-16</b> 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)	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 010-999 ft 003-305 m		



### MPO12 singlemode & multimode array cords

<b>1</b> U	<b>2</b> Q	<b>3</b> G	<b>4</b> M	<b>5</b> P	<b>6</b> L	<b>7</b> U	<b>8</b> G	<b>9</b> D	<b>10</b> -	<b>11</b> M	<b>12</b> D	<b>13</b> F	<b>14-16</b> 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	Breakout length D 12" E 24" H 48" L 72"	UOM F Feet M Meter	Length 12 in 3-999 ft 24 in 4-999 ft 48 in 6-999 ft 72 in 8-999 ft 12 in 1-305 m 24-48 in 2-305 m 72 in 3-305 m		

# 2 MPO24 solutions



	Material ID	Product number	Description	Fiber type	Fiber count	Front interface	Rear interface
<b>MPO24 modules</b>							
6 per 1RU	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
<b>24-fiber adapter packs</b>							
6 per 1RU	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

# 3 Cable assemblies

## Propel MPO24 assemblies



### SYSTIMAX MPO24 trunk cables

1 U	2 G	3 G	4 2	5 X	6 2	7 X	8 B	9 H	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 X OM4 multimode V OM5 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 003-305 m			



### SYSTIMAX fiber-optic MPO24 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	14-16 010
Construction type U Ultra-low loss	Cable family Q Plenum array R LSZH array	Fiber type X OM4 multimode V OM5 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 010-999 ft 003-305 m			

# 2 SN modules & adapter packs



## SN modules

SN modules	Material ID	Product number	Description	Fiber type	Fiber count	Front interface	Rear interface
18 per 1 RU	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
12 per 1 RU	760252349	PPL-DM-12AU-12SN-SM-BEU	Propel ULL distribution module, Method B Enhanced	OS2	24	12 SNs with dust caps	2 MPO12/APC non-pinned with internal shutters
18 per 1 RU	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

## SN adapter packs

SN adapter packs	Material ID	Product number	Description	Fiber type	Fiber count	Front interface	Rear interface
18 per 1 RU	760252375	PPL-AP-8-SN-SM	Propel pass-through adapter pack	OS2	16	8 SNs with dust caps	8 SNs with dust caps
12 per 1 RU	760252376	PPL-AP-12-SN-SM	Propel pass-through adapter pack	OS2	24	12 SNs with dust caps	12 SNs with dust caps
9 per 1 RU	760252377	PPL-AP-16-SN-SM	Propel pass-through adapter pack	OS2	32	16 SNs with dust caps	16 SNs with dust caps
6 per 1 RU	760252378	PPL-AP-24-SN-SM	Propel pass-through adapter pack	OS2	48	24 SNs with dust caps	24 SNs with dust caps

# 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 S 32-fiber K 72-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 J	13 F	14-16 003
Construction type U Ultra-low loss	Cable family D Plenum F Dual Rated (OPNR/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



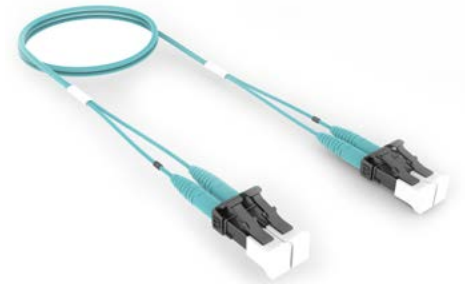
# 3 Cable assemblies



SYSTIMAX LC Uniboot patch cords

<b>1</b> U	<b>2</b> D	<b>3</b> X	<b>4</b> L U	<b>5</b> L U	<b>6</b> 6	<b>7</b> 2	<b>8</b> - M	<b>9</b> X	<b>10</b> F	<b>11-12</b> 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

<b>1</b> U	<b>2</b> D	<b>3</b> X	<b>4</b> L	<b>5</b> C	<b>6</b> L	<b>7</b> C	<b>8</b> 4	<b>9</b> 2	<b>10</b> -	<b>11</b> M	<b>12</b> X	<b>13</b> F	<b>14-16</b> 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 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 2-200 Feet 1-061 Meters	Other lengths available please contact CommScope	

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