SYSTIMAX® Propel™ Cabling Solutions for Arista 100G & 200G Fiber Optic Transceivers

COMMSCOPE®

ARISTA

Contents

Introduction

This document serves as a guide when designing a cabling system using CommScope's Propel solution for Arista 100G & 200G fiber optic transceivers.

Shown are reference diagrams and options for application scenarios using MPO8 and MPO16 based trunk cabling or direct connect equipment cords.

Contact your CommScope representative for additional information.

Arista 100G/200G transceiver models

Arista supports a full range of 100G/200G optical transceivers listed in the following table:

Part number	Description	Connector type	Reach OM3 (m)	Reach OM4 (m)	Reach OS2 (m)
QSFP 200G Transceivers for parallel Multi-mode Fiber (MMF)					
QSFP-200G-SR4	200GBASE-SR4 QSFP optical transceiver, dual rate 100G/200G	MPO-12 UPC	70	100	–
QSFP 200G Transceivers for duplex SMF					
QSFP-200G-FR4	200GBASE-FR4 QSFP optical transceiver, dual rate 100G/200G	LC-Duplex	–	–	2000
OSFP 200G Transceivers for duplex SMF					
OSFP-200G-2LR4	200GBASE-2LR4 OSFP optical transceiver, dual rate 100G/200G, interoperable with 2 x 100GBASE-LR4	LC-Duplex (2x)	–	–	10000
QSFP-DD 200G Transceivers for duplex SMF					
QDD-200G-2LR4	200GBASE-2LR4 QSFP-DD optical transceiver, dual rate 100G/200G, interoperable with 2 x 100GBASE-LR4	CS (2x)	–	–	10000
QSFP 100G Transceivers for parallel Multi-mode Fiber (MMF)					
QSFP-100G-SR4	100GBASE-SR4 QSFP optical transceiver	MPO-12 UPC	70	100	–
QSFP-100G-XSR4	100GBASE-XSR4 QSFP optical transceiver	MPO-12 UPC	150	300	–
QSFP 100G Transceivers for duplex MMF					
QSFP-100G-SWDM4	100GBASE-SWDM4 QSFP optical transceiver	LC-Duplex	70	100	–
QSFP-100G-SRBD	100GBASE-BIDI QSFP optical transceiver	LC-Duplex	70	100	–
QSFP 100G Transceivers for Parallel Single-Mode Fiber (SMF)					
QSFP-100G-PSM4	100GBASE-PSM4 40G/100G dual speed QSFP optical transceiver	MPO-12 APC	–	–	500
QSFP-100G-PLRL4	100GBASE-PLRL4 40G/100G dual speed QSFP optical transceiver	MPO-12 APC	–	–	2000
QSFP 100G Transceivers for duplex SMF					
QSFP-100G-CWDM4	100GBASE-CWDM4 QSFP optical transceiver	LC-Duplex	–	–	2000
QSFP-100G-XCWDM4	100GBASE-XCWDM4 QSFP optical transceiver, interoperable with 100GBASE-CWDM4 up to 2 km	LC-Duplex	–	–	10000
QSFP-100G-LR4	100GBASE-LR4 QSFP optical transceiver	LC-Duplex	–	–	10000
QSFP-100G-LRL4	100GBASE-LRL4 QSFP optical transceiver, interoperable with 100GBASE-LR4 up to 2 km	LC-Duplex	–	–	2000
QSFP-100G-ERL4	100GBASE-ERL4 QSFP optical transceiver	LC-Duplex	–	–	40000
QSFP-100G-ZR4	100GBASE-ZR4 QSFP optical transceiver	LC-Duplex	–	–	80000
QSFP-100G-DR	100GBASE-DR "100G lambda" QSFP optical transceiver, interoperable with 100GBASE-FR/LR over 500m	LC-Duplex	–	–	500
QSFP-100G-FR	100GBASE-FR "100G lambda" QSFP optical transceiver, interoperable with 100G-DR/LR over 500m/2km	LC-Duplex	–	–	2000
QSFP-100G-LR	100GBASE-LR "100G lambda" QSFP optical transceiver, interoperable with 100GBASE-DR/FR over 500m/2km	LC-Duplex	–	–	10000

Table 1: Arista 100G/200G transceivers

Note: The information on this page is taken from the following Arista documents:

Arista 100G Transceivers & Cables Q&A

Arista Optical Modules and Cables

Note: MPO-12 applications use 8 fibers and can be run on MPO-8 and on MPO-16 as well as shown in this document
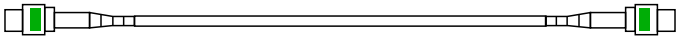
Arista 100G/200G Multimode Direct Connections using Equipment Cords

QSFP 100G/200G Transceivers for parallel Multimode Fiber (MMF)

200GBase-SR4 100GBase-SR4 100GBase-XSR4	MPO8 multimode patch cord	200GBase-SR4 100GBase-SR4 100GBase-XSR4
QSFP Transceiver		QSFP Transceiver

MPO8 multimode UPC 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 UPC (Non-pinned)		**Connector 2** QV 8f MPO MM UPC (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

Select options for final part number

QSFP 100G Transceivers for duplex Multimode Fiber (MMF)

100GBase-SWDM4 100GBase-SRBD	LC Duplex multimode patch cord	100GBase-SWDM4 100GBase-SRBD
QSFP Transceiver		QSFP Transceiver

SYSTIMAX Uniboot patch cords

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

Select options for final part number

Arista 100G/200G Singlemode Direct Connections using Equipment Cords

QSFP 100G Transceivers for parallel Singlemode Fiber (SMF)

100GBase-PSM4
100GBase-PLRL4

QSFP Transceiver

MPO8 multimode patch cord

100GBase-PSM4
100GBase-PLRL4

QSFP Transceiver

MPO8 multimode APC patch cords

1 U	2 Q	3 G	4 Q	5 P	6 Q	7 V	8 F	9 8	10 -	11 M	12 A	13 F	14-16 010
Construction type	Cable family	Fiber type	Connector 1		Connector 2		Cordage size	Fiber count	Color		Breakout length	UOM	Length
U Ultra-low loss	Q Plenum array	G Singlemode (A2)	QP 8f MPO SM		QP 8f MPO SM		F 8f PmP Array	8 8-fiber		J Yellow	A No gland	F Feet	010-999 ft
	R Dual Rated (OFNR/LSZH)			APC (Non-pinned)		APC (Non-pinned)	Cord, 2mm					M Meter	003-305 m

Select options for final part number

QSFP 100G/200G Transceivers for duplex Singlemode Fiber (SMF)

200GBase-FR4
QSFP-100G-CWDM4,
QSFP-100G-CWDM4,
QSFP-100G-XCWDM4,
QSFP-100G-LR4, QSFP-100G-LRL4,
QSFP-100G-ERL4, QSFP-100G-ZR4,
QSFP-100G-DR, QSFP-100G-FR,
QSFP-100G-LR

QSFP Transceiver

LC Duplex singlemode patch cord

200GBase-FR4
QSFP-100G-CWDM4,
QSFP-100G-CWDM4,
QSFP-100G-XCWDM4,
QSFP-100G-LR4, QSFP-100G-LRL4,
QSFP-100G-ERL4, QSFP-100G-ZR4,
QSFP-100G-DR, QSFP-100G-FR,
QSFP-100G-LR

QSFP Transceiver

SYSTIMAX Uniboot patch cords

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

Select options for final part number

OSFP-DD resp. OSFP 200G Transceivers for duplex Singlemode Fiber (SMF)

200GBase-2LR4

OSFP-200G-2LR4

QDD-200G-2LR4

LC Duplex singlemode patch cord (see above)

SYSTIMAX CS singlemode patch cord (see below)

200GBase-2LR4

OSFP-200G-2LR4
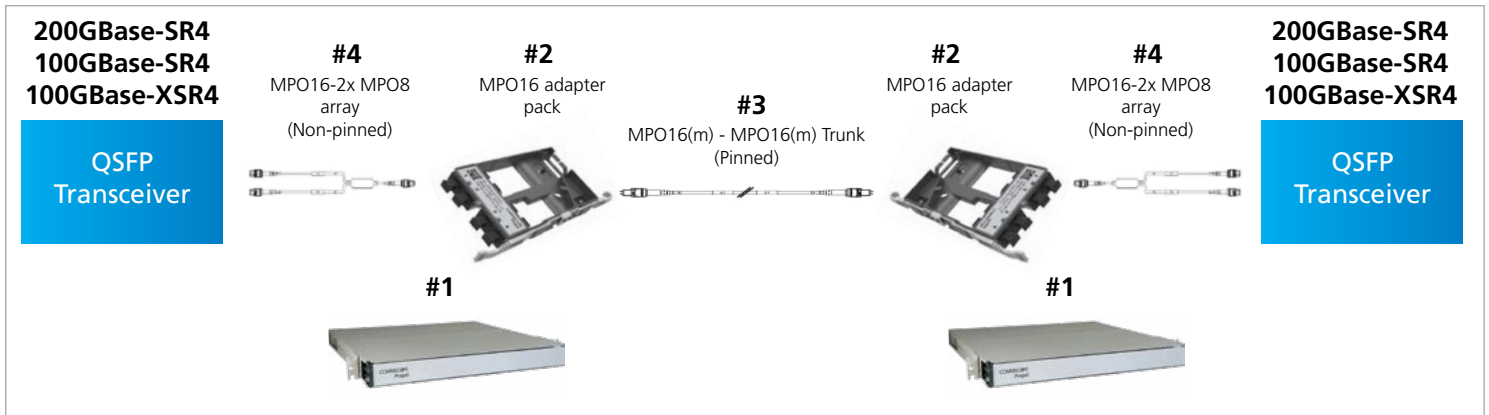
QDD-200G-2LR4

	Product Number	Description
Item 1	UDGCSCS62-JXFxxx or JXMxxx	ULL SM CS to CS Uniboot 2f patch cord, Plenum
	UFGCSCS62-JXFxxx or JXMxxx	ULL SM to CS Uniboot 2f patch cord, Dual Rated (OFNR/LSZH)

Arista 100G/200G Connections using the Propel Cabling System

200GBase-SR4
100GBase-SR4
100GBase-XSR4

QSFP Transceiver

#4 MPO16-2x MPO8 array (Non-pinned)

#2 MPO16 adapter pack

#3 MPO16(m) - MPO16(m) Trunk (Pinned)

#2 MPO16 adapter pack

#4 MPO16-2x MPO8 array (Non-pinned)

200GBase-SR4
100GBase-SR4
100GBase-XSR4

QSFP Transceiver

#1

Item #1 Propel Patch Panels (see Panel Index)

Item #2

	Material ID	Product Number	Description	Fiber Type	Fiber Count	Front Interface	Rear Interface
16-fiber adapter packs							
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
9 per 1RU	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 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

Select options for final part number

Item #3 MPO16 multimode APC trunk cables

1	2	3	4	5	6	7	8	9	10	11	12	13	14-16
U	G	X	R	Z	R	Z	8	R		-	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
X OM4 multimode
V OM5 WB multimode

Connector 1
RZ 16f MPO MM APC (Pinned)

Connector 2
RZ 16f MPO MM 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
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

Select options for final part number

Item #4 MPO16 multimode APC conversion array cords

1	2	3	4	5	6	7	8	9	10	11	12	13	14-16
U	Q	X	R	V	Q	P	7	R		-	D	F	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)

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

Select options for final part number

Arista 100G/200G Connections using the Propel Cabling System

Parallel Multimode Fiber   **MPO-8 Based**

200GBase-SR4
100GBase-SR4
100GBase-XSR4

QSFP Transceiver

#4 MPO8 patchcord (non-pinned)

#2 MPO adapter pack

#3 MPO8(m) - MPO8(m) Trunk (Pinned)

#2 MPO adapter pack

#4 MPO8 patchcord (non-pinned)

QSFP Transceiver

200GBase-SR4
100GBase-SR4
100GBase-XSR4

#1   **#1**

Item #1 Propel Patch Panels (see Panel Index)

Item #2

	Material ID	Product Number	Description	Fiber Type	Fiber Count	Front Interface	Rear Interface
8-fiber adapter packs							
18 per 1RU	760252371	PPL-AP-4-MPO-ALL-B	Propel pass-through adapter pack, Type B	All	32	4 MPO8 Key Up with internal shutters	4 MPO8 Key Up with dust caps

Item #3 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	9 8		- 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
X OM4 multimode
V OM5 WB multimode

Connector 1
QX 8f MPO MM UPC (Pinned)

Connector 2
QX 8f MPO MM UPC (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

Select options for final part number
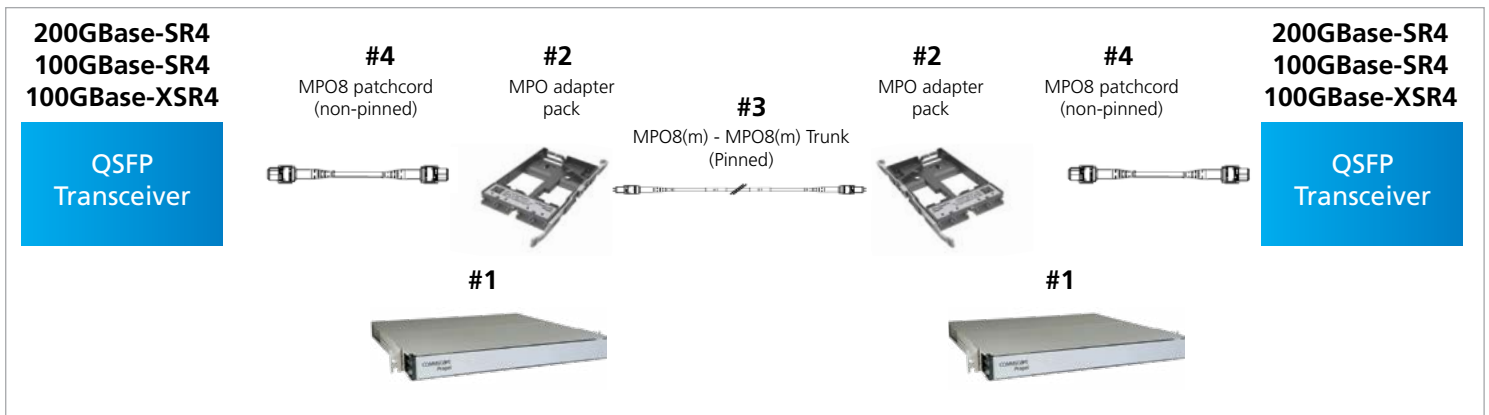
Item #4 MPO8 multimode UPC patch cords

1	2	3	4	5	6	7	8	9	10	11	12	13	14-16
U	Q	X	Q	V	Q	V	F	9 8		- M	A	F	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 UPC (Non-pinned)

Connector 2
QV 8f MPO MM UPC (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
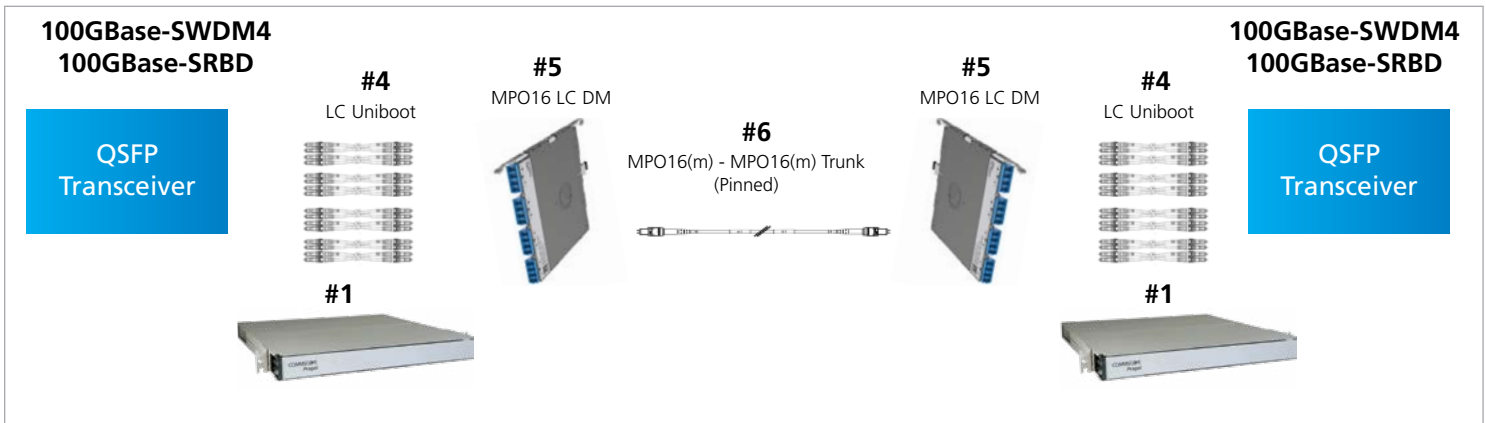
Select options for final part number

Arista 100G Connections using the Propel Cabling System

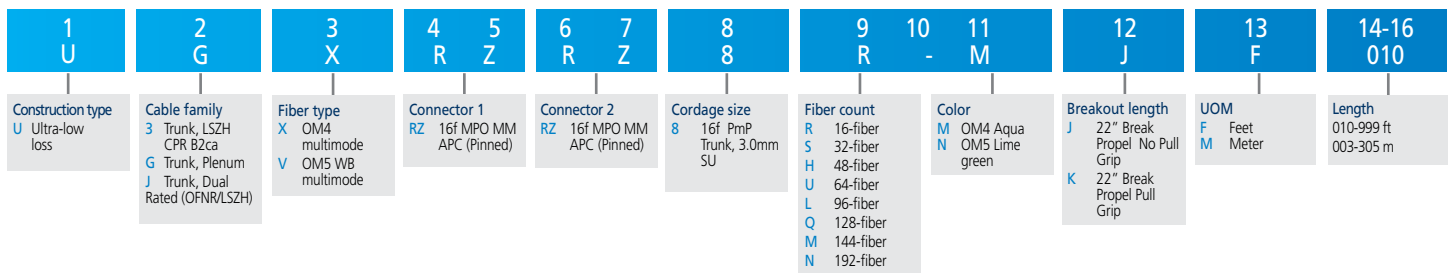## Duplex Multimode Fiber   MPO-16 Based

100GBase-SWDM4
100GBase-SRBD

QSFP Transceiver

#4 LC Uniboot

#5 MPO16 LC DM

#6 MPO16(m) - MPO16(m) Trunk (Pinned)

#5 MPO16 LC DM

#4 LC Uniboot

QSFP Transceiver

100GBase-SWDM4
100GBase-SRBD

#1

#1

Item #1 Propel Patch Panels (see Panel Index)

Item #2

	Material ID	Product Number	Description	Fiber Type	Fiber Count	Front Interface	Rear Interface
MPO16 modules							
9 per 1RU	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

Item #3 MPO16 multimode APC trunk cables

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)

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

Select options for final part number

Item #4 SYSTIMAX 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
X OM4 multimode
V OM5 WB multimode

Connector 1
LU LC Uniboot

Connector 2
LU LC Uniboot

Cordage size
K 1.5mm
6 2.0mm

Fiber count
2 2-fiber

Color
M OM4 Aqua
N OM5 Lime green

Breakout length
X No gland

UOM
F Feet
M Meter

Lenght
2-200 Feet
1-061 Meter
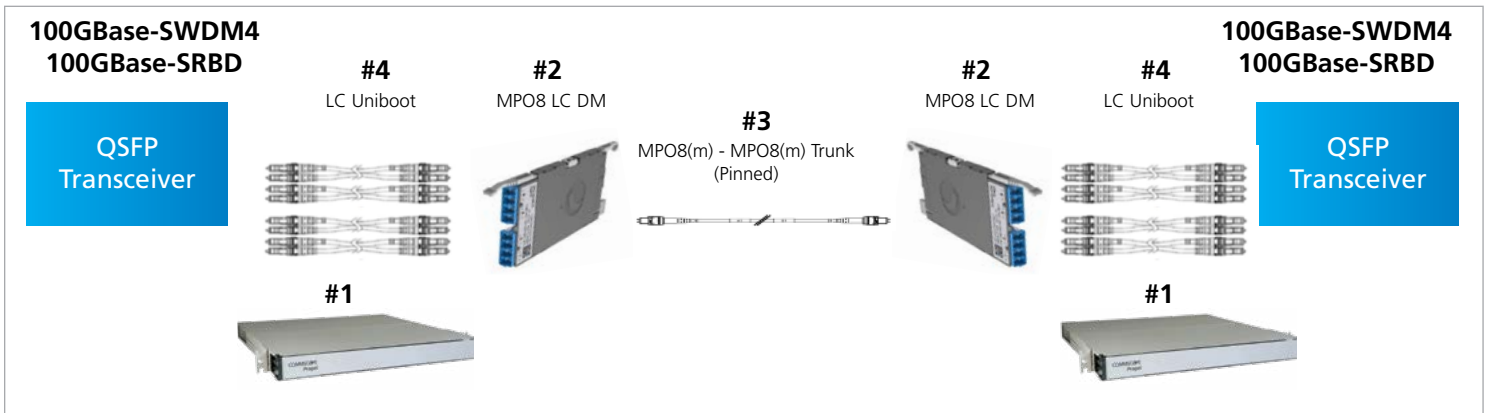
Select options for final part number

Arista 100G Connections using the Propel Cabling System

Duplex Multimode Fiber   **MPO-8 Based**

100GBase-SWDM4
100GBase-SRBD

#4 LC Uniboot   **#2** MPO8 LC DM   **#3** MPO8(m) - MPO8(m) Trunk (Pinned)   **#2** MPO8 LC DM   **#4** LC Uniboot

100GBase-SWDM4
100GBase-SRBD

QSFP Transceiver

QSFP Transceiver

#1

#1

Item #1 Propel Patch Panels (see Panel Index)

Item #2

	Material ID	Product Number	Description	Fiber Type	Fiber Count	Front Interface	Rear Interface
MPO8 Modules with MPO/UPC in multimode							
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

Item #3 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 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
QX 8f MPO MM UPC (Pinned)

Connector 2
QX 8f MPO MM UPC (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

Select options for final part number

Item #4 SYSTIMAX Uniboot patch cords

1 U	2 D	3 X	4 L U	5 L U	6 6	7 - 8 2 - M	9 X	10 F	11-12 010

Construction type
U Ultra-low loss

Cable family
D Plenum
F LSZH/Riser

Fiber type
X OM4 multimode
V OM5 WB multimode

Connector 1
LU LC Uniboot

Connector 2
LU LC Uniboot

Cordage size
K 1.5mm
6 2.0mm

Fiber count
2 2-fiber

Color
M OM4 Aqua
N OM5 Lime green

Breakout length
X No gland

UOM
F Feet
M Meter

Lenght
2-200 Feet
1-061 Meter

Select options for final part number

Arista 100G Connections using the Propel Cabling System

Parallel Singlemode Fiber   **MPO-16 Based**

Diagram labels:

100GBase-PSM4 / 100GBase-PLRL4 — QSFP Transceiver (left)

#4 MPO16-2x MPO8 array (non-pinned)

#2 MPO16 adapter pack

#3 MPO16(m) - MPO16(m) Trunk (Pinned)

#2 MPO16 adapter pack

#4 MPO16-2x MPO8 array (non-pinned)

100GBase-PSM4 / 100GBase-PLRL4 — QSFP Transceiver (right)

#1 (both ends)

Item #1 Propel Patch Panels (see Panel Index)

Item #2

	Material ID	Product Number	Description	Fiber Type	Fiber Count	Front Interface	Rear Interface
16-fiber adapter packs							
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
9 per 1RU	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 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

Select options for final part number

Item #3 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
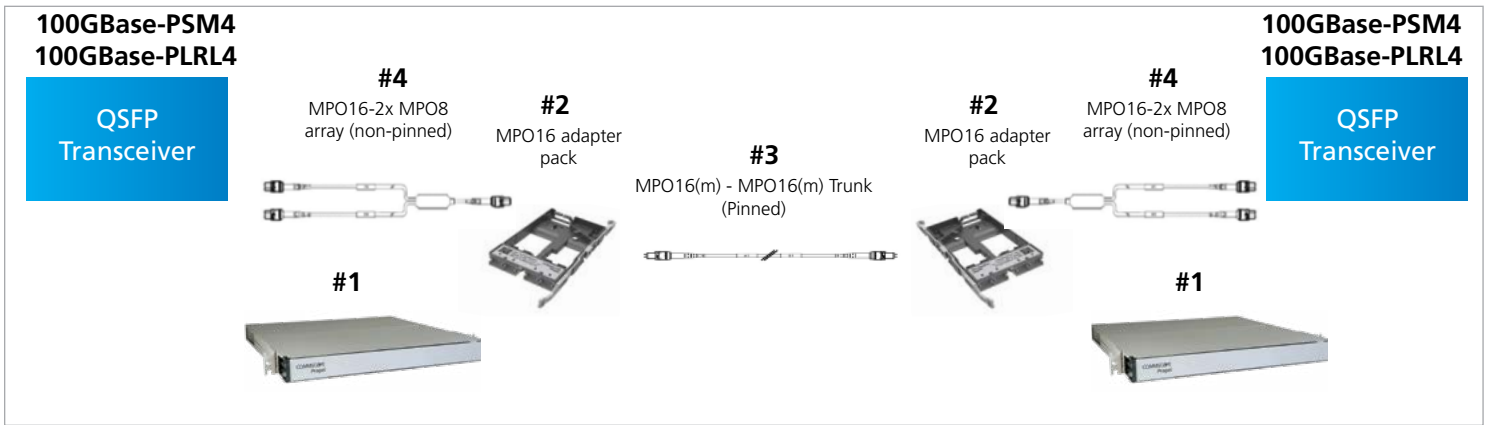010-999 ft
003-305 m

Select options for final part number

Item #4 MPO16 singlemode APC 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"
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

Select options for final part number

Arista 100G Connections using the Propel Cabling System

Parallel Singlemode Fiber   **MPO-8 Based**

100GBase-PSM4
100GBase-PLRL4

#4 MPO8 patchcord (non-pinned)
#2 MPO adapter pack
#3 MPO8(m) - MPO8(m) Trunk (Pinned)
#2 MPO adapter pack
#4 MPO8 patchcord (non-pinned)

100GBase-PSM4
100GBase-PLRL4

QSFP Transceiver

QSFP Transceiver

#1

#1

Item #1 Propel Patch Panels (see Panel Index)

Item #2

	Material ID	Product Number	Description	Fiber Type	Fiber Count	Front Interface	Rear Interface
8-fiber adapter packs							
18 per 1RU	760252371	PPL-AP-4-MPO-ALL-B	Propel pass-through adapter pack, Type B	All	32	4 MPO8 Key Up with internal shutters	4 MPO8 Key Up with dust caps

Item #3 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
J Trunk, Dual 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
003-305 m

Select options for final part number
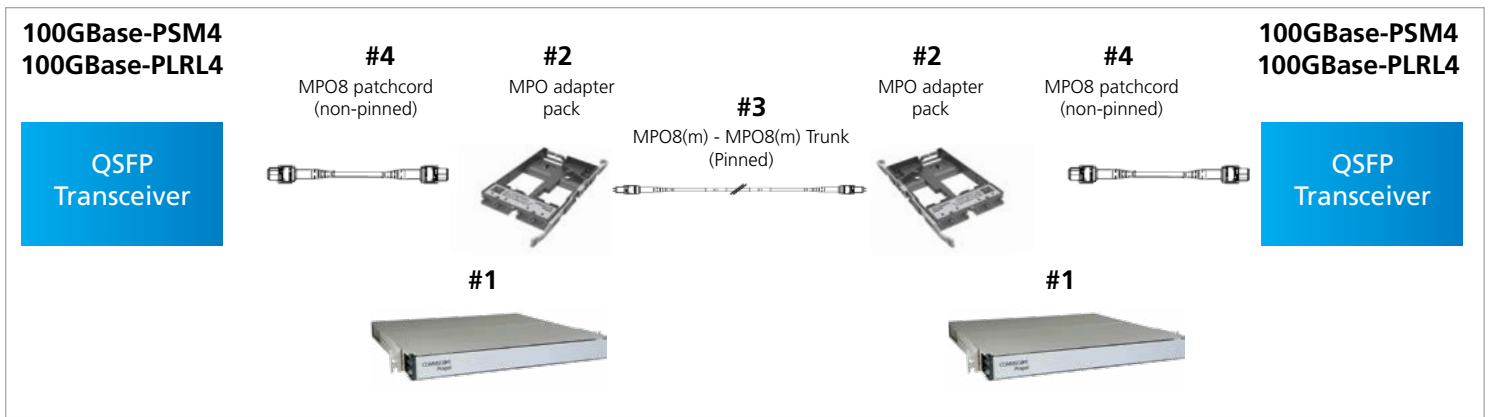
Item #4 MPO8 singlemode APC patch cord

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 (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
003-999 ft
001-305 m

Select options for final part number

Arista 100G/200G Connections using the Propel Cabling System

Duplex Singlemode Fiber   **MPO-16 Based**

200GBase-FR4
QSFP-100G-CWDM4, QSFP-100G-CWDM4,
QSFP-100G-XCWDM4, QSFP-100G-LR4,
QSFP-100G-LRL4, QSFP-100G-ERL4,
QSFP-100G-ZR4, QSFP-100G-DR,
QSFP-100G-FR, QSFP-100G-LR

200GBase-FR4
QSFP-100G-CWDM4, QSFP-100G-CWDM4,
QSFP-100G-XCWDM4, QSFP-100G-LR4,
QSFP-100G-LRL4, QSFP-100G-ERL4,
QSFP-100G-ZR4, QSFP-100G-DR,
QSFP-100G-FR, QSFP-100G-LR

#4 LC Uniboot   **#2** MPO16 LC DM   **#3** MPO16(m) - MPO16(m) Trunk (Pinned)   **#2** MPO16 LC DM   **#4** LC Uniboot

QSFP Transceiver   **#1**   **#1**   **QSFP Transceiver**

#5 CS to LC duplex patch cord   **#5** CS to LC duplex patch cord

200GBase-2LR4
QDD-200G-2LR4

200GBase-2LR4
QDD-200G-2LR4

#4 LC duplex singlemode patch cord   **#4** LC duplex singlemode patch cord

OSFP-200G-2LR4   OSFP-200G-2LR4

Item #1 Propel Patch Panels (see Panel Index)

Item #2

Material ID	Product Number	Description	Fiber Type	Fiber Count	Front Interface	Rear Interface
MPO16 modules						
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

(Material ID column header spans; the row above shows "9 per 1RU" under Material ID)

Item #3 MPO16 singlemode APC trunk cables

1 U	2 G	3 G	4 5 RX	6 7 RX	8 8	9 10 11 R - J	12 J	13 F

1 Construction type
U Ultra-low loss

2 Cable family
3 Trunk, LSZH CPR B2ca
G Trunk, Plenum
J Trunk, Dual Rated (OFNR/LSZH)

3 Fiber type
G Singlemode (A2)

4 5 Connector 1
RX 16f MPO SM APC (Pinned)

6 7 Connector 2
RX 16f MPO SM APC (Pinned)

8 Cordage size
8 16f PmP Trunk, 3.0mm SU

9 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

10 11 Color
J Yellow

12 Breakout length
J 22" Break Propel No Pull Grip
K 22" Break Propel Pull Grip

13 UOM
F Feet
M Meter

Length
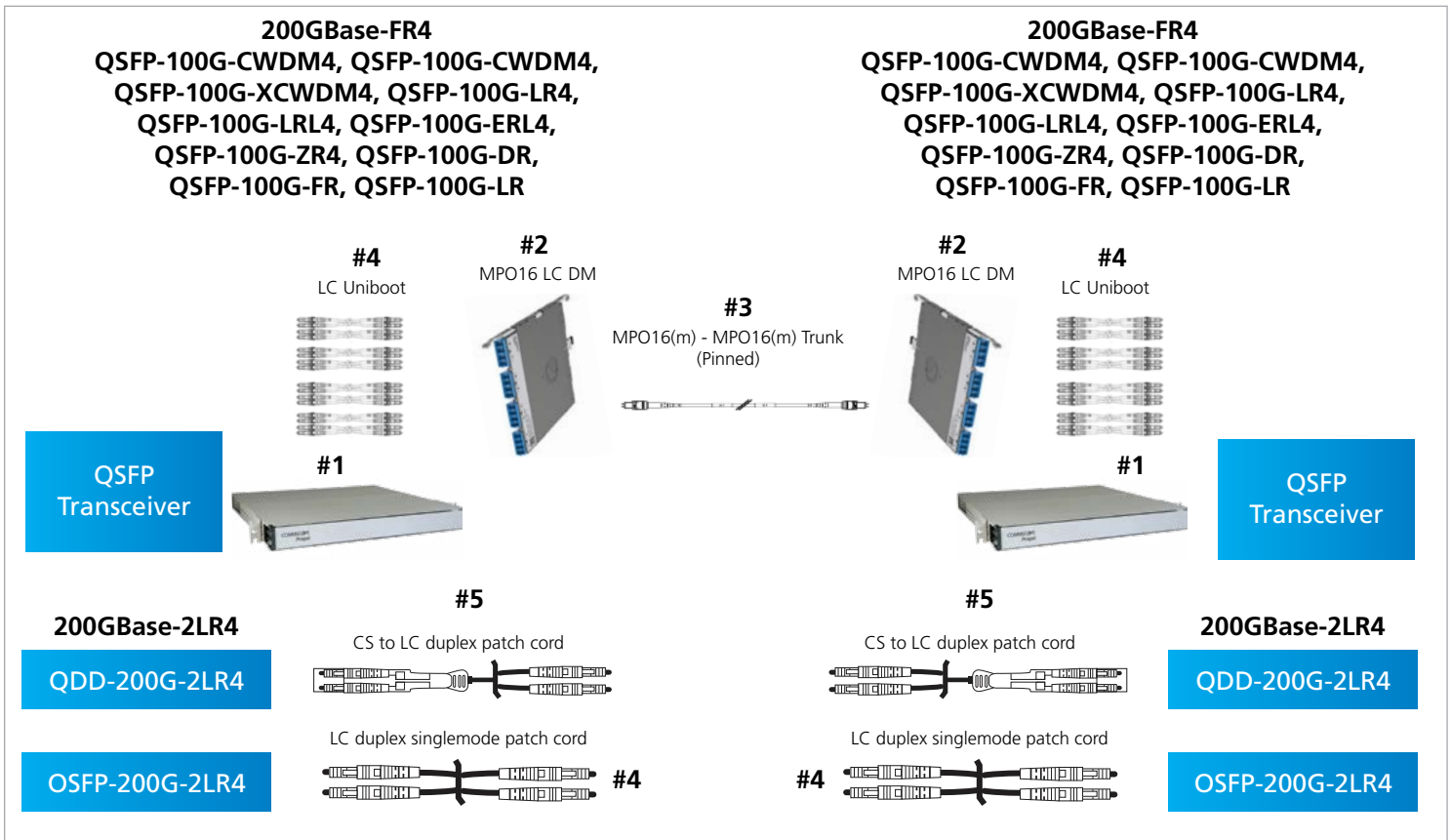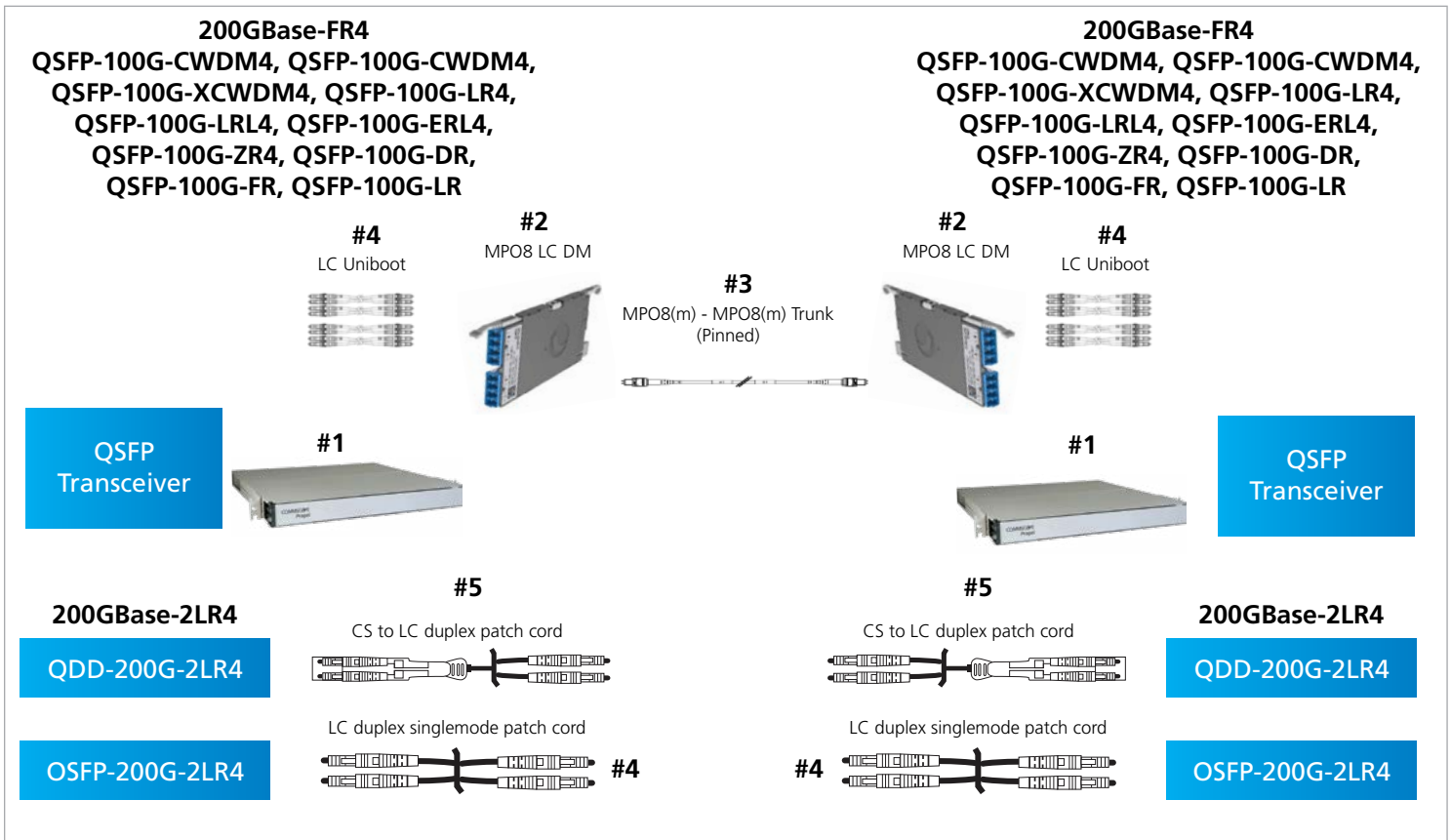010-999 ft
003-305 m

Select options for final part number

Item #4 & 5 SYSTIMAX patch cords

1 U	2 D	3 G	4 LU	5 LU	6 6	7 - 8 2 - J	9 X	10 F	11-12 010

1 Construction type
U Ultra-low loss

2 Cable family
D Plenum
F LSZH/Riser

3 Fiber type
G Singlemode (A2)

4 Connector 1
LU LC Uniboot
CS CS Connector

5 Connector 2
LU LC Uniboot

6 Cordage size
K 1.5mm (LC)
6 2.0 mm (LC, CS)

7 - 8 Fiber count
2 2-fiber

Color
J Yellow

9 Breakout length
X No gland

10 UOM
F Feet
M Meter

11-12 Lenght
2-200 Feet
1-061 Meter

Select options for final part number

Arista 100G/200G Connections using the Propel Cabling System

Duplex Singlemode Fiber   **MPO-8 Based**

200GBase-FR4
QSFP-100G-CWDM4, QSFP-100G-CWDM4,
QSFP-100G-XCWDM4, QSFP-100G-LR4,
QSFP-100G-LRL4, QSFP-100G-ERL4,
QSFP-100G-ZR4, QSFP-100G-DR,
QSFP-100G-FR, QSFP-100G-LR

200GBase-FR4
QSFP-100G-CWDM4, QSFP-100G-CWDM4,
QSFP-100G-XCWDM4, QSFP-100G-LR4,
QSFP-100G-LRL4, QSFP-100G-ERL4,
QSFP-100G-ZR4, QSFP-100G-DR,
QSFP-100G-FR, QSFP-100G-LR

#4
LC Uniboot

#2
MPO8 LC DM

#3
MPO8(m) - MPO8(m) Trunk
(Pinned)

#2
MPO8 LC DM

#4
LC Uniboot

QSFP Transceiver

#1

#1

QSFP Transceiver

200GBase-2LR4

QDD-200G-2LR4

OSFP-200G-2LR4

#5
CS to LC duplex patch cord

LC duplex singlemode patch cord **#4**

#5
CS to LC duplex patch cord

#4 LC duplex singlemode patch cord

200GBase-2LR4

QDD-200G-2LR4

OSFP-200G-2LR4

Item #1 Propel Patch Panels (see Panel Index)

Item #2

Material ID	Product Number	Description	Fiber Type	Fiber Count	Front Interface	Rear Interface
MPO8 Modules with MPO in singlemode						
18 per 1RU	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

Item #3 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
J   Trunk, Dual 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
003-305 m

Select options for final part number

Item #4 & 5 SYSTIMAX patch cords

1 U	2 D	3 G	4 LU	5 LU	6 6	7 - 8 2 - J	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)

Connector 1
LU   LC Uniboot
CS   CS Connector

Connector 2
LU   LC Uniboot

Cordage size
K   1.5mm (LC)
6   2.0 mm (LC, CS)

Fiber count
2   2-fiber

Color
J   Yellow

Breakout length
X   No gland

UOM
F   Feet
M   Meter

Lenght
2-200   Feet
1-061   Meter

Select options for final part number

Arista 100G/200G Transceiver Breakout Options using the Propel Cabling System

Arista 100G/200G transceiver breakout options

The tables below summarize the breakout options for 100G and 200G QSFP ports. In the tables below, the term "near end" transceiver refers to the transceiver / cable plugged into the QSFP port, and the "remote end" refers to the "broken out" transceiver / cable connected to the SFP port.

Product Number	Supported Breakout Modes
QSFP-100G-SR4 & QSFP-100G-XSR4	4x25G to interoperate with 25GBASE-SR. Care must be taken to use the same forward error correction (FEC) mode on both ends to link-up.
QSFP-100G-PSM4	4x25G to interoperate with 25GBASE-LR. Care must be taken to use the same forward error correction (FEC) mode on both ends to link-up.

Table 2: Arista 100G Transceivers Breakout Options

QSFP200 SKU	QSFP 200 Port Configuration	Fiber type	Optical modulation	Breakout port SKUs
QSFP-200-SR4	4x 50G	Parallel MMF (4 fiber pairs), 100m reach	50G PAM-4	4x 50G-SR SFPs
	4x 25G		25G NRZ	4x 25G-SR SFPs (SFP-25G-SR / SFP-25G-MR-SR)
	2x 100G-2		50G PAM-4	2x 100G-SR2 optics (This mode is less common. It can be used to breakout QSFP-200G-SR4 2x 100G-SR2 QSFPs or 2x 100G-SR2 SFP-DD/DSFPs)*

* Arista does not provide 100G-SR2 QSFPs, SFP-DDs or DSFPs at this time. This breakout mode may be used with third party 100G-SR2 optics.

Table 3: Arista 200G Transceivers Breakout Options

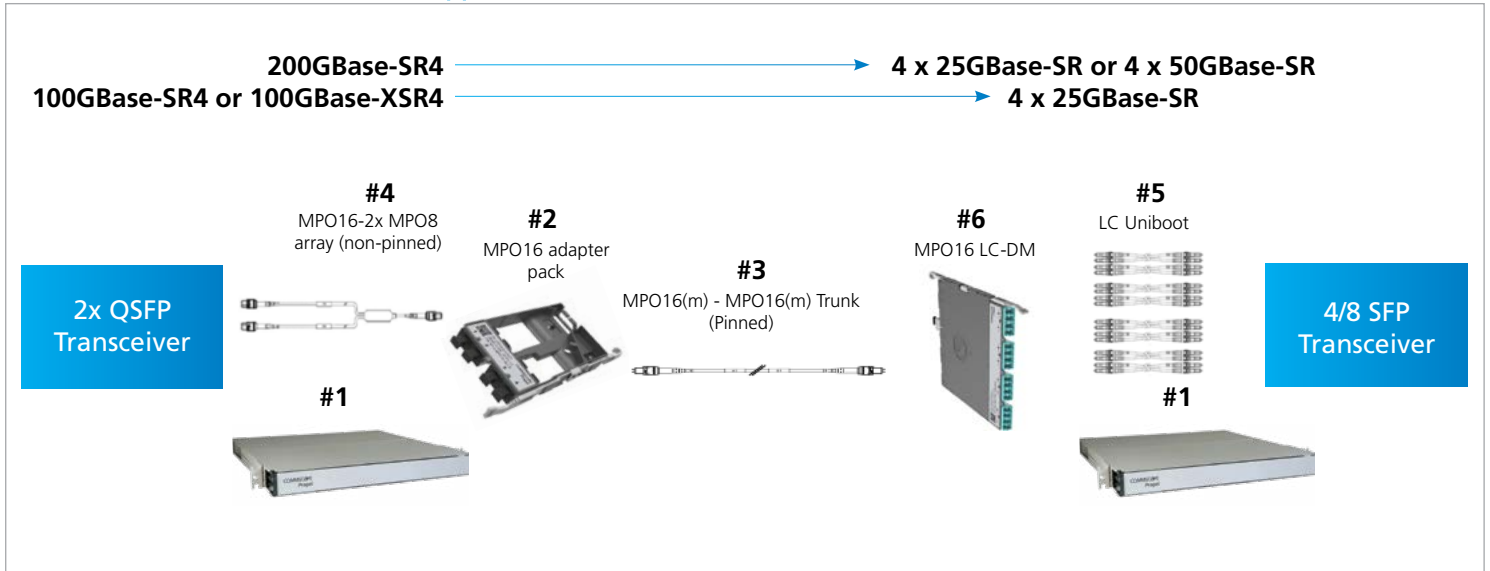Note: The information on this page is taken from the following Arista documents:

Arista 100G Transceivers & Cables Q&A

Arista 200G Transceivers & Cables

Arista 100G/200G Transceiver Breakout Options using the Propel Cabling System

Multimode Fiber Applications **MPO-16 Based**

200GBase-SR4 ────────────────► 4 x 25GBase-SR or 4 x 50GBase-SR
100GBase-SR4 or 100GBase-XSR4 ────────────────► 4 x 25GBase-SR

2x QSFP Transceiver

#4 MPO16-2x MPO8 array (non-pinned)

#2 MPO16 adapter pack

#3 MPO16(m) - MPO16(m) Trunk (Pinned)

#6 MPO16 LC-DM

#5 LC Uniboot

4/8 SFP Transceiver

#1   **#1**

Item #1 Propel Patch Panels (see Panel Index)

Item #2

	Material ID	Product Number	Description	Fiber Type	Fiber Count	Front Interface	Rear Interface
16-fiber adapter packs							
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
9 per 1RU	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 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

Item #3 MPO16 multimode APC trunk cables

1	2	3	4	5	6	7	8	9	10	11	12	13	14-16
U	G	X	R	Z	R	Z	8	R	-	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
X OM4 multimode
V OM5 WB multimode

Connector 1
RZ 16f MPO MM APC (Pinned)

Connector 2
RZ 16f MPO MM 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
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

Select options for final part number

Arista 100G/200G Transceiver Breakout Options using the Propel Cabling System

Item #4 MPO16 multimode APC conversion array cords

1	2	3	4	5	6	7	8	9	10	11	12	13	14-16
U	Q	X	R	V	Q	P	7	R		- M	D	F	003

Construction type	Cable family	Fiber type	Connector 1	Connector 2	Cordage size	Fiber count	Color	Breakout length	UOM	Length
U Ultra-low loss	Q Plenum Array R Dual Rated (OFNR/LSZH)	X OM4 multimode V OM5 WB multimode	RV 16f MPO MM APC (Non-Pinned)	QP 8f MPO MM UPC (Non-Pinned)	7 16f PmP Array Cord, 3mm	R 16-fiber	M OM4 Aqua N OM5 Lime green	D 12" E 24" H 48" L 72"	F Feet M Meter	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

Select options for final part number

Item #5 SYSTIMAX Uniboot patch cords

1	2	3	4	5	6	7	8	9	10	11-12
U	D	X	L U	L U	6	2	- M	X	F	010

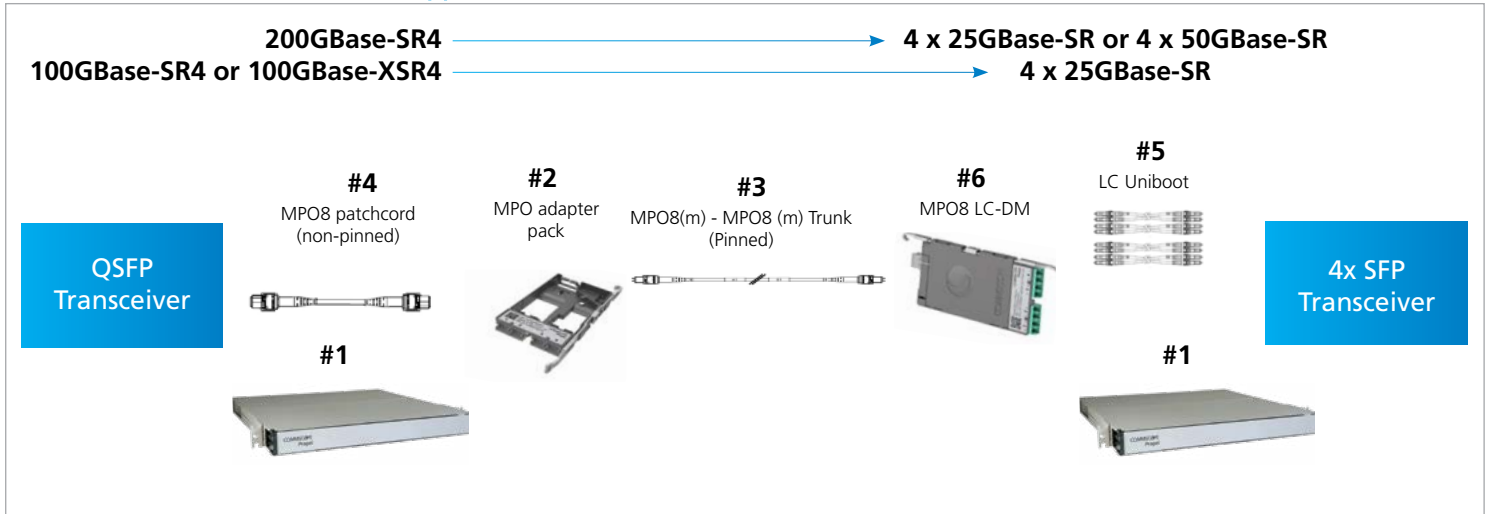| Construction type	Cable family	Fiber type	Connector 1	Connector 2	Cordage size	Fiber count	Color	Breakout length	UOM	Lenght
U Ultra-low loss	D Plenum F LSZH/Riser	X OM4 multimode V OM5 WB multimode	LU LC Uniboot	LU LC Uniboot	K 1.5mm 6 2.0mm	2 2-fiber	M OM4 Aqua N OM5 Lime green	X No gland	F Feet M Meter	2-200 Feet 1-061 Meter

Select options for final part number

Item #6

	Material ID	Product Number	Description	Fiber Type	Fiber Count	Front Interface	Rear Interface
MPO16 modules							
9 per 1RU	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

Arista 100G/200G Transceiver Breakout Options using the Propel Cabling System

Multimode Fiber Applications   **MPO-8 Based**

200GBase-SR4 ⟶ 4 x 25GBase-SR or 4 x 50GBase-SR

100GBase-SR4 or 100GBase-XSR4 ⟶ 4 x 25GBase-SR

#4 MPO8 patchcord (non-pinned)	#2 MPO adapter pack	#3 MPO8(m) - MPO8 (m) Trunk (Pinned)	#6 MPO8 LC-DM	#5 LC Uniboot

QSFP Transceiver   #1   #1   4x SFP Transceiver

Item #1 Propel Patch Panels (see Panel Index)

Item #2

	Material ID	Product Number	Description	Fiber Type	Fiber Count	Front Interface	Rear Interface
8-fiber adapter packs							
18 per 1RU	760252371	PPL-AP-4-MPO-ALL-B	Propel pass-through adapter pack, Type B	All	32	4 MPO8 Key Up with internal shutters	4 MPO8 Key Up with dust caps

Item #3 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 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
QX 8f MPO MM UPC (Pinned)

Connector 2
QX 8f MPO MM UPC (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

Select options for final part number

Arista 100G/200G Transceiver Breakout Options using the Propel Cabling System

Item #4 MPO8 multimode UPC patch cords

1	2	3	4	5	6	7	8	9	10	11	12	13	14-16
U	Q	X	Q	V	Q	V	F	8	-	M	A	F	010

Construction type	Cable family	Fiber type	Connector 1		Connector 2		Cordage size	Fiber count	Color		Breakout length	UOM	Length
U Ultra-low loss	Q Plenum Array R Dual Rated (OFNR/LSZH)	X OM4 multimode V OM5 WB multimode	QV 8f MPO MM UPC (Non-pinned)		QV 8f MPO MM UPC (Non-pinned)		F 8f PmP Array Cord, 2mm	8 8-fiber	M OM4 Aqua N OM5 Lime green		A No Gland	F Feet M Meter	003-999 ft 001-305 m

Select options for final part number

Item #5 SYSTIMAX Uniboot patch cords

1	2	3	4	5	6	7	-	8	9	10	11-12
U	D	X	LU	LU	6	2	-	M	X	F	010

Construction type	Cable family	Fiber type	Connector 1	Connector 2	Cordage size	Fiber count	Color	Breakout length	UOM	Lenght
U Ultra-low loss	D Plenum F LSZH/Riser	X OM4 multimode V OM5 WB multimode	LU LC Uniboot	LU LC Uniboot	K 1.5mm 6 2.0mm	2 2-fiber	M OM4 Aqua N OM5 Lime green	X No gland	F Feet M Meter	2-200 Feet 1-061 Meter

Select options for final part number

Item #6

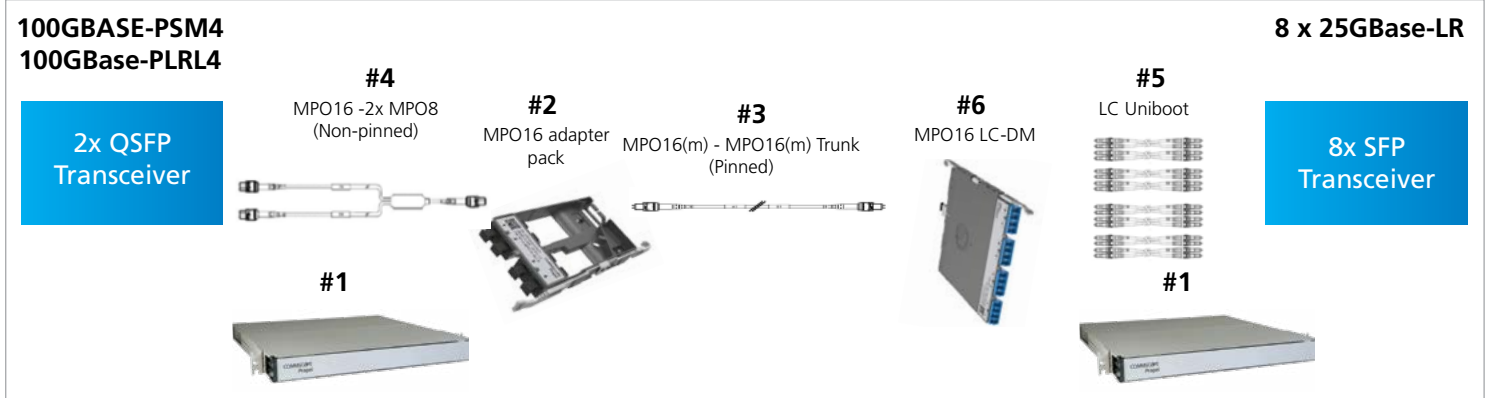|	Material ID	Product Number	Description	Fiber Type	Fiber Count	Front Interface	Rear Interface
MPO8 Modules with MPO/UPC in multimode							
18 per 1RU	760252332	PPL-DM-8U-8LC-OM4-BEU	Propel ULL Distribution Module, Method B Enhanced	OM4	8	4 duplex LCs with internal shutters	1 MPO8 non-pinned with internal 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

Arista 100G Transceiver Breakout Options using the Propel Cabling System

MPO-16 Based

100GBASE-PSM4
100GBase-PLRL4

8 x 25GBase-LR

#4 MPO16 -2x MPO8 (Non-pinned)

#2 MPO16 adapter pack

#3 MPO16(m) - MPO16(m) Trunk (Pinned)

#6 MPO16 LC-DM

#5 LC Uniboot

2x QSFP Transceiver

8x SFP Transceiver

#1

#1

Item #1 Propel Patch Panels (see Panel Index)

Item #2

	Material ID	Product Number	Description	Fiber Type	Fiber Count	Front Interface	Rear Interface
16-fiber adapter packs							
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
9 per 1RU	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 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

Item #3 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
003-305 m

Select options for final part number

Arista 100G Transceiver Breakout Options using the Propel Cabling System

Item #4 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	Cable family	Fiber type	Connector 1	Connector 2	Cordage size	Fiber count	Color	Breakout length	UOM	Length
U Ultra-low loss	Q Plenum Array R Dual Rated (OFNR/LSZH)	G Singlemode (A2)	RP 16f MPO SM APC (Non-Pinned)	QP 8f MPO SM APC (Non-Pinned)	7 16f PmP Array Cord, 3mm	R 16-fiber	J Yellow	D 12" E 24" H 48" L 72"	F Feet M Meter	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

Select options for final part number

Item #5 SYSTIMAX Uniboot patch cords

1	2	3	4	5	6	7	-	8	9	10	11-12
U	D	G	L U	L U	6	2	-	J	X	F	010

Construction type	Cable family	Fiber type	Connector 1	Connector 2	Cordage size	Fiber count	Color	Breakout length	UOM	Lenght
U Ultra-low loss	D Plenum F LSZH/Riser	G Singlemode (A2)	LU LC Uniboot	LU LC Uniboot	K 1.5mm 6 2.0mm	2 2-fiber	J Yellow	X No gland	F Feet M Meter	2-200 Feet 1-061 Meter

Select options for final part number

Item #6

	Material ID	Product Number	Description	Fiber Type	Fiber Count	Front Interface	Rear Interface
MPO16 modules							
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

Arista 100G Transceiver Breakout Options using the Propel Cabling System

    MPO-8 Based

100GBASE-PSM4
100GBase-PLRL4   **4 x 25GBase-LR**

QSFP Transceiver	#4 MPO8 patch cord (Non-pinned)	#2 MPO adapter pack	#3 MPO8(m) - MPO8(m) Trunk (Pinned)	#6 MPO8 LC-DM
			#5 LC Uniboot	4x SFP Transceiver

#1   #1

Item #1 Propel Patch Panels (see Panel Index)

Item #2

Material ID	Product Number	Description	Fiber Type	Fiber Count	Front Interface	Rear Interface
8-fiber adapter packs						
18 per 1RU 760252371	PPL-AP-4-MPO-ALL-B	Propel pass-through adapter pack, Type B	All	32	4 MPO8 Key Up with internal shutters	4 MPO8 Key Up with dust caps

Item #3 MPO8 singlemode APC trunk cables

1	2	3	4	5	6	7	8	9	10	11	12	13	14-16
U	G	G	Q	X	Q	X	T	8	-	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**
  - 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

Select options for final part number

Item #4 MPO8 singlemode APC patch cord

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

- **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**
  - 003-999 ft
  - 001-305 m

Select options for final part number

Arista 100G Transceiver Breakout Options using the Propel Cabling System

Item #5 SYSTIMAX Uniboot patch cords

1	2	3	4	5	6	7 - 8	9	10	11-12
U	D	G	L U	L U	6	2 - J	X	F	010

Construction type	Cable family	Fiber type	Connector 1	Connector 2	Cordage size	Fiber count	Color	Breakout length	UOM	Lenght
U Ultra-low loss	D Plenum F LSZH/Riser	G Singlemode (A2)	LU LC Uniboot	LU LC Uniboot	K 1.5mm 6 2.0mm	2 2-fiber	J Yellow	X No gland	F Feet M Meter	2-200 Feet 1-061 Meter

Select options for final part number

Item #6

Material ID	Product Number	Description	Fiber Type	Fiber Count	Front Interface	Rear Interface
MPO8 Modules with MPO in singlemode						
18 per 1RU 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

Panel Index

Propel Panels

Product Number	Description	Material ID
PPL-1U	Propel 1RU sliding panel	760252002
PPL-2U	Propel 2RU sliding panel	760252003
PPL-4U	Propel 4RU sliding panel	760252004

Propel Panel Capacity-Adapter Packs/Module by Size

LC Duplex = MPO Ports		8-fiber	12-fiber	16-fiber	24-fiber
	Ports	6/blade	4/blade	3/blade	2/blade
1RU	72	18	12	9	6
2RU	144	36	24	18	12
4RU	288	72	48	36	24

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