



SYSTIMAX® G2

ultra low-loss (ULL) solutions:

Connecting installed cabling to
400 Gbps and 800 Gbps equipment

COMMSCOPE®

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Application legend

Multimode

2 fiber applications

= 50/100G*-Base SR

8 fiber applications

= 400G-SR4.2/400G-VR4*/400G-SR4*

16 fiber APC applications

= 400G-SR8/800G-SR8*/800G-VR8*

Singlemode

100G-DR
200G-DR4

= 100G-DR4/200G-DR4*

2 fiber applications

= 400G-LR8/400G-FR8/800G-FR4*

8 fiber applications

= 400G-DR4/800G-DR4*

16 fiber APC applications

= 800G-DR8*/1600G-DR8*

*Applications on the Ethernet roadmap

Connecting installed cabling to 400 Gbps and 800 Gbps equipment

Data center managers are under intensifying pressure to do more with less. Data transfer speeds are accelerating—100G to 200G to 400G and beyond. Architectures are flattening and fiber densities increasing. Ultra-low-loss cabling and connectivity is fast becoming the rule, not the exception. And all of this is occurring as budgets, migration schedules and manpower continue to shrink.

In short, the rules of the game are changing in real time. CommScope keeps you two steps ahead with the Propel portfolio..

Designed for what's next, Propel is a modular, ultra-low loss, high-speed fiber platform that enables you to easily scale and adapt your infrastructure as needed, wherever it is needed. High-density fiber panels and interchangeable modules and adapters maximize design options while reducing deployment time, cost and complexity. New 16-fiber connectivity provides easier migration to more efficient 400G/800G deployments while fully supporting legacy 8-, 4- and 2-fiber applications. QR-coded components for optical performance verification make it easier to manage.

Backed by the global reach of an industry leader, the Propel fiber platform delivers the performance, support and product availability you need to thrive in a frenetic, fast-paced environment. It's everything you expect from CommScope—and then some.

About this guide

This design guide provides an at-a-glance reference for customers with installed G2 ultra-low loss data center cabling who need to efficiently support these higher speed applications. Propel transition cable assemblies, including patch cords and array cables, are referenced and shown with design graphics to simplify design choices. Propel is designed to help you customize an infrastructure platform to address your immediate needs as well as take you through multiple generations of upgrades. For more information on our SYSTIMAX portfolio and its capabilities, please contact your CommScope representative or visit <https://www.commscope.com/solution-guide-systimax-ull/>.



Applications covered in this guide

Ethernet multimode modules—speed >= 100Gb/s

Data Rate Gb/s	Ethernet standard proprietary/MSA module	IEEE standard/ MSA/proprietary	Adoption/ introduction	# of fiber pairs	# λ's	Optical modulation	Reach (m)		
							OM3	OM4	OM5
100	100GBASE-SR4	IEEE 802.3bm	2015	4	1	25G NRZ	70	100	100
100	100G-SWDM4	MSA	2017	1	4	25G NRZ	75	100	150
100	100G-BiDi	Proprietary	2017	1	2	50G PAM4	70	100	150
100	100GBASE-SR2	IEEE802.3cd	2018	2	1	50G PAM4	70	100	100
100	100GBASE-VR	IEEE802.3db Task Force	2022	1	1	100G PAM4	30	50	50
100	100GBASE-SR					100G PAM4	60	100	100
200	200GBASE-SR4	IEEE802.3cd	2018	4	1	50G PAM4	70	100	100
200	200GBASE-VR2	IEEE802.3db Task Force	2022	2	1	100G PAM4	30	50	50
200	200GBASE-SR2					100G PAM4	60	100	100
400	400GBASE-SR8	IEEE802.3cm	2020	8	1	50G PAM4	70	100	100
400	400GBASE-SR4.2			4	2		70	100	150
400	400GBASE-VR4	IEEE802.3db Task Force	2022	4	1	100G PAM4	30	50	50
400	400GBASE-SR4			4			60	100	100
800	800GBASE-VR8	B400G Study Group	2023-24	8	1	100G PAM4	30?	50	40
800	800GBASE-SR8						60?	100	100

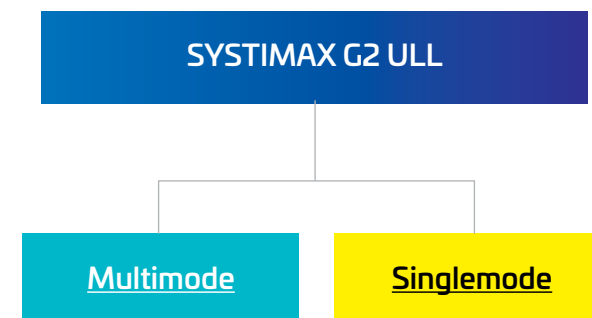
Ethernet singlemode modules—speed >= 100Gb/s

Data Rate Gb/s	Ethernet standard proprietary/MSA module	IEEE standard/ MSA/proprietary	Adoption/introduction	# of fiber pairs	# λ's	Optical modulation	Reach
100	100G-PSM4	MSA	2014	4	1	25G NRZ	500
100	100G-CWDM4	MSA	2014	1	4	25G NRZ	2,000
100	100GBASE-LR4	IEEE 802.3ba	2010	1	4	25G NRZ	10,000
200	200GBASE-DR4	IEEE802.3bs	2017	4	1	50G PAM4	500
200	200GBASE-FR4			1	1	50G PAM4	2,000
200	200GBASE-LR4			1	4		10,000
400	400GBASE-FR8	IEEE802.3bs	2017	1	8	50G PAM4	2,000
400	400GBASE-LR8			1	8		10,000
400	400GBASE-DR4			4	1	100G PAM4	500
800	800GBASE-DR8	B400G Study Group	2022	8	1	100G PAM4	500/2,000
800	800GBASE-DR4		2025?	4	1	200G PAM4	500/2,000
800	800GBASE-FR4		2025?	1	4		2,000
1600	1600GBASE-DR8		2025?	8	1		500/2,000

Distances could vary based on configuration or connector type and count. Refer to the CommScope Fiber Performance Calculator, SYSTIMAX performance specifications and other documentation at commscope.com for our Application Assurance details.

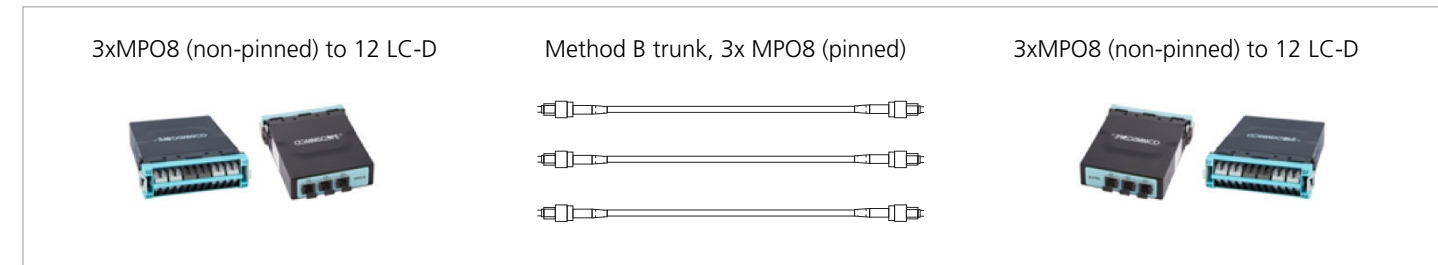
Green = defined by the IEEE Beyond 400G study group
 Blue = defined by the IEEE 802.3db task force

Selection based on installed SYSTIMAX G2 ultra-low loss system



Common SYSTIMAX G2 ULL multimode transmission channels

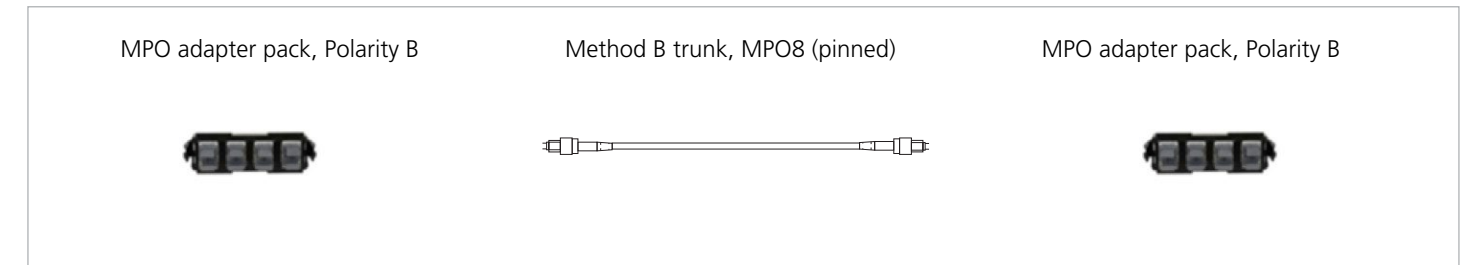
MPO8 trunk



400G-SR4.2/400G-VR4*/400G-SR4*

400G-SR8
800G-SR8*
800G-VR8*

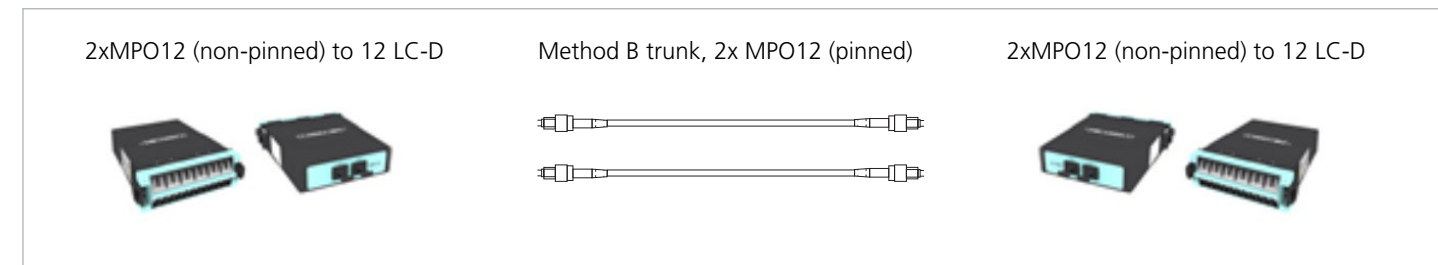
MPO8 trunk



400G-SR4.2/400G-VR4*/400G-SR4*

400G-SR8
800G-SR8*
800G-VR8*

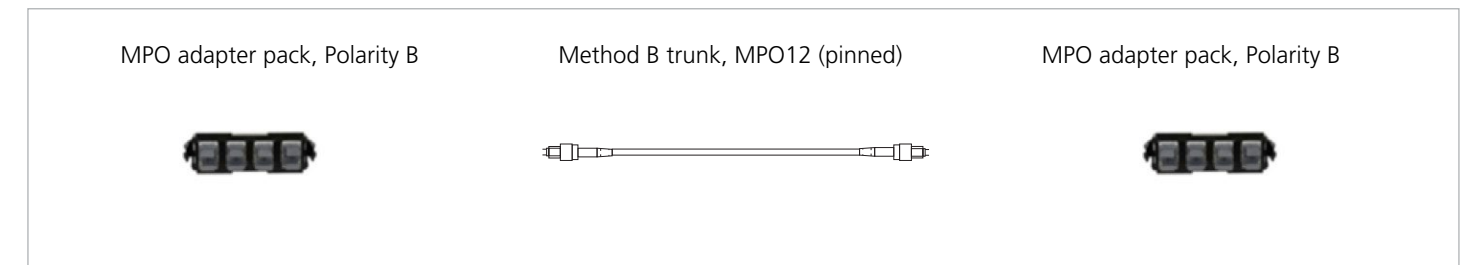
MPO12 trunk



400G-SR4.2/400G-VR4*/400G-SR4*

400G-SR8
800G-SR8*
800G-VR8*

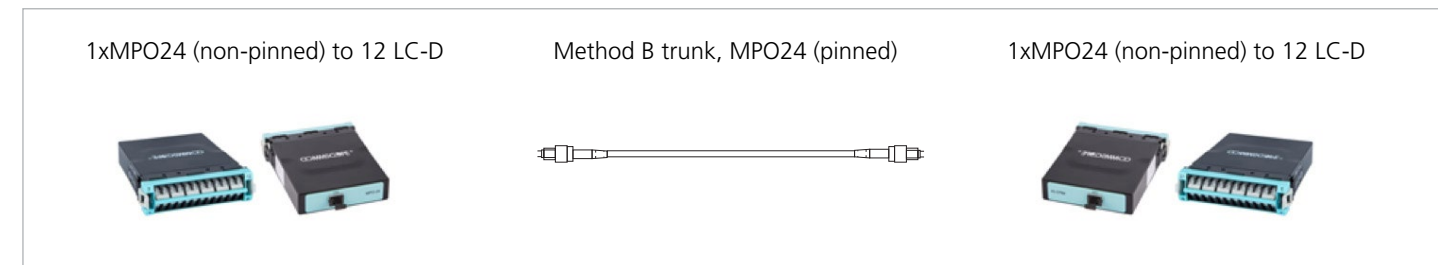
MPO12 trunk



400G-SR4.2/400G-VR4*/400G-SR4*

400G-SR8
800G-SR8*
800G-VR8*

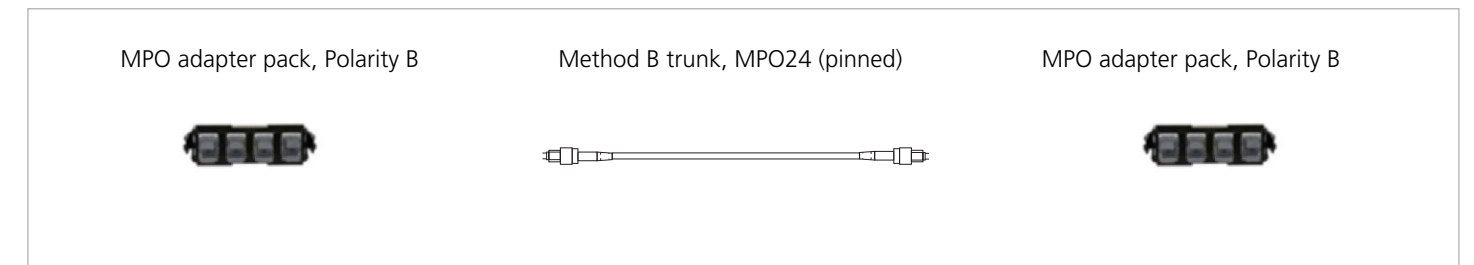
MPO24 trunk



400G-SR4.2/400G-VR4*/400G-SR4*

400G-SR8
800G-SR8*
800G-VR8*

MPO24 trunk



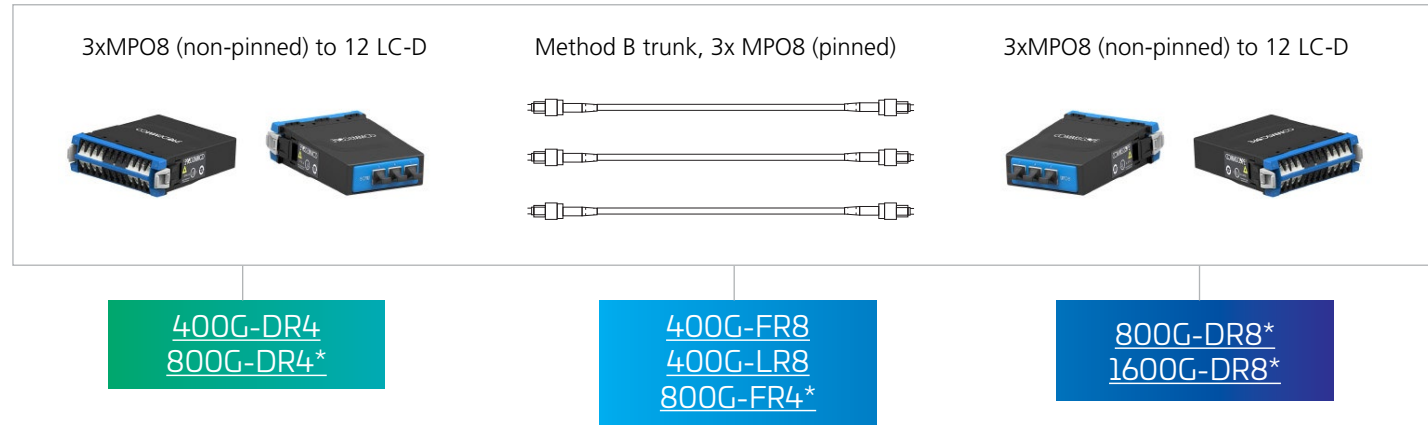
400G-SR4.2/400G-VR4*/400G-SR4*

400G-SR8
800G-SR8*
800G-VR8*

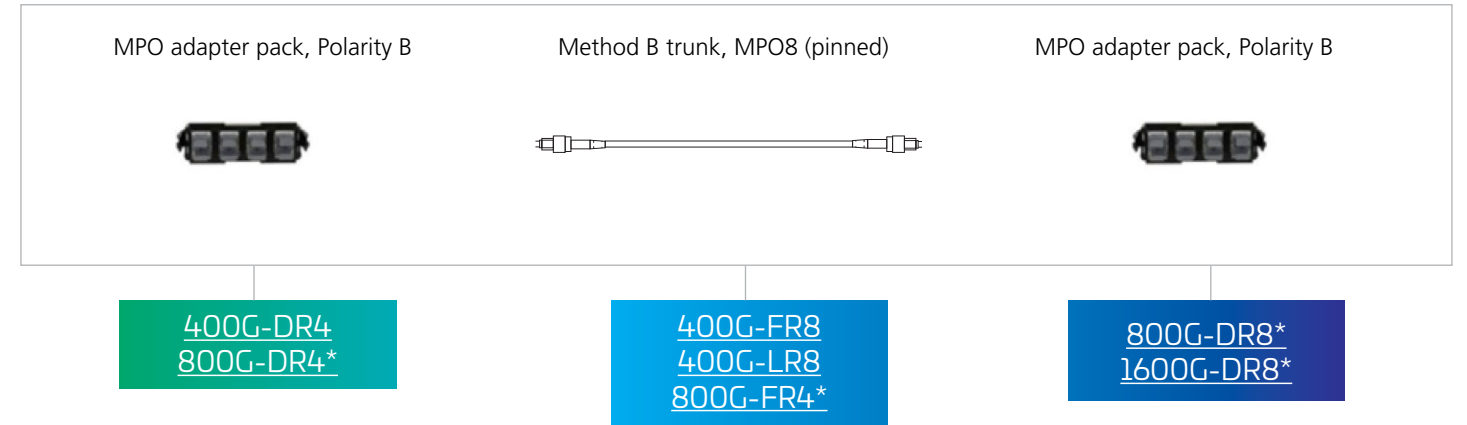
*Applications on the Ethernet roadmap

Common SYSTIMAX G2 ULL singlemode transmission channels

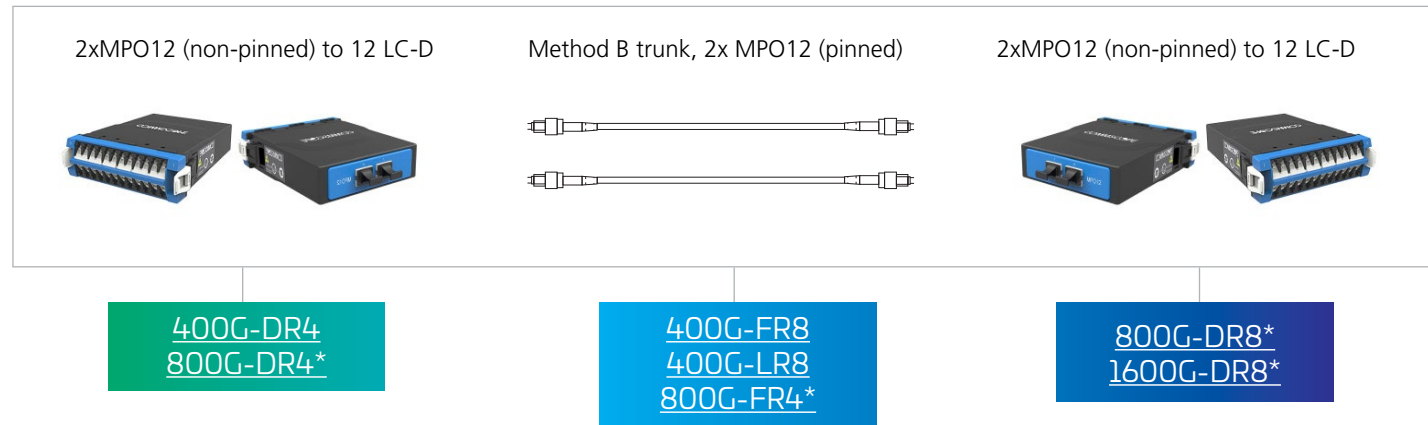
MPO8 trunk



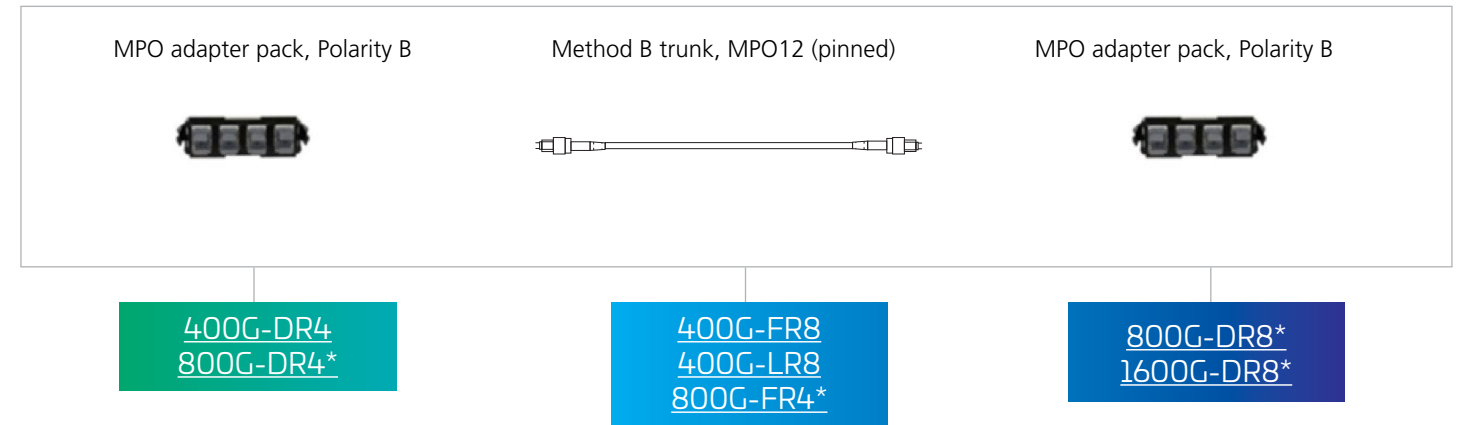
MPO8 trunk



MPO12 trunk



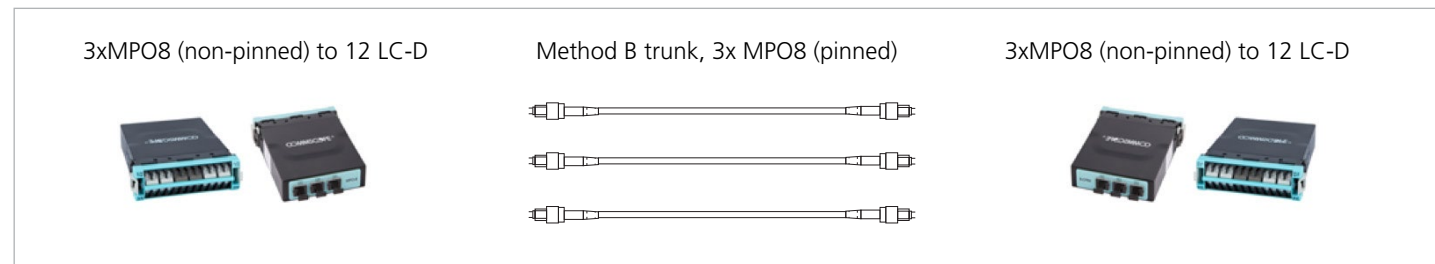
MPO12 trunk



*Applications on the Ethernet roadmap

SYSTIMAX G2 ultra-low loss multimode fiber

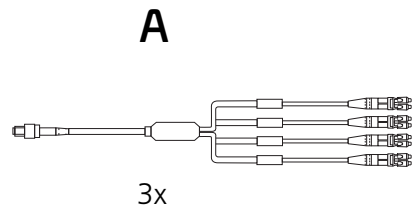
MPO8 to LC-duplex



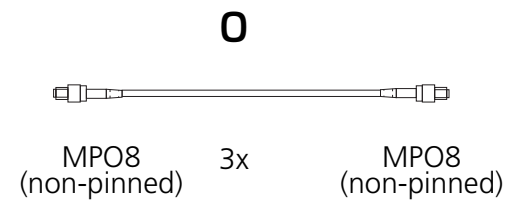
Connection to 400G-SR4.2/400G-VR4*/400G-SR4*

Maximum channel lengths	
OM4	100 m
OM5	150 m

400G-SR4.2/400G-VR4*/400G-SR4*



400G-SR4.2/400G-VR4*/400G-SR4*

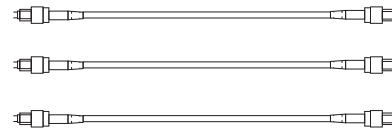


Existing

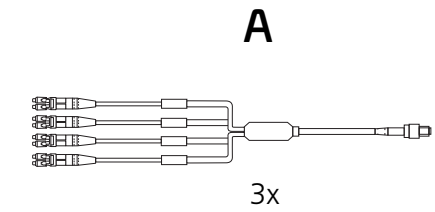
3xMPO8 (non-pinned) to 12 LC-D



Method B trunk, 3x MPO8 (pinned)



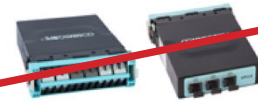
3xMPO8 (non-pinned) to 12 LC-D



400G-SR4.2/400G-VR4*/400G-SR4*

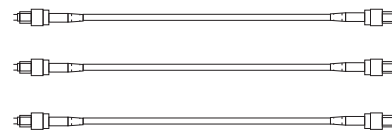


3xMPO8 (non-pinned) to 12 LC-D



To be replaced by C

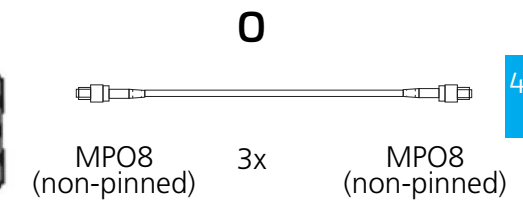
Method B trunk, 3x MPO8 (pinned)



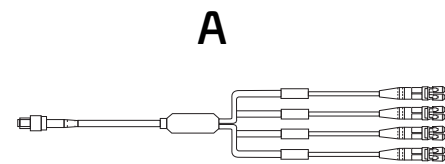
3xMPO8 (non-pinned) to 12 LC-D



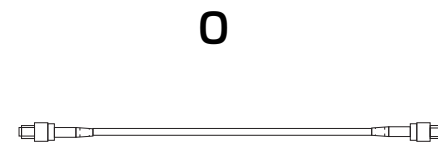
To be replaced by C



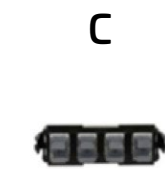
400G-SR4.2/400G-VR4*/400G-SR4*



MPO8 (non-pinned) to 4 x LC duplex cord	
Fiber type	Part number
OM4	UQXQPLUJ8
OM5	UQVQPLUJ8



MPO8 (non-pinned) to MPO8 (non-pinned) cord	
Fiber type	Part number
OM4	UQXQPQPJ8
OM5	UQVQPQPJ8



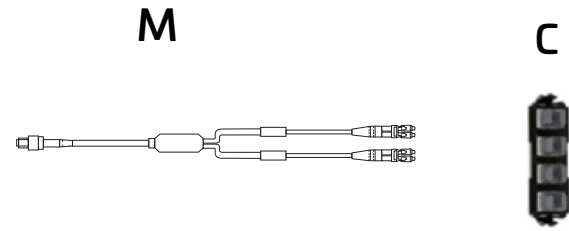
G2 adapter pack MPO, Polarity B	
# of connectors	Part number
8	760107524 360DP-8MPO

*Applications on the Ethernet roadmap

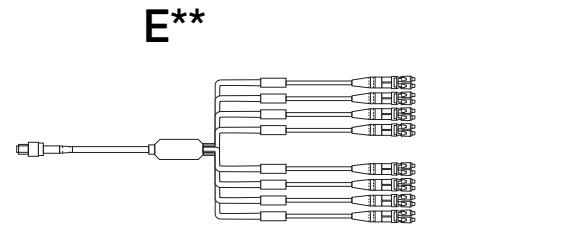
Connection to
400G-SR8
800G-SR8*
800G-VR8*

Maximum channel lengths	
OM4	100 m
OM5	100 m

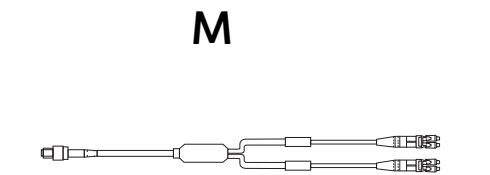
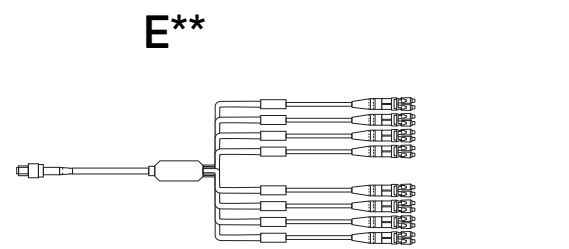
400G-SR8
800G-SR8*
800G-VR8*



400G-SR8
800G-SR8*
800G-VR8*



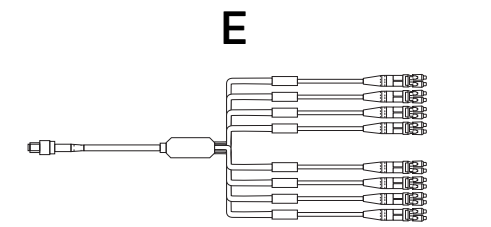
400G-SR8
800G-SR8*
800G-VR8*



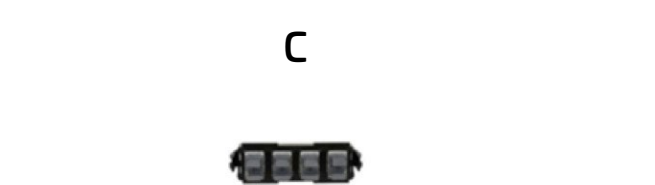
MPO16 (non-pinned) APC to 2x MPO8 (non-pinned) cord, ULL	
Fiber type	Part number
OM4	UQVRVQP7R
OM5	UQVRVQP7R

Existing

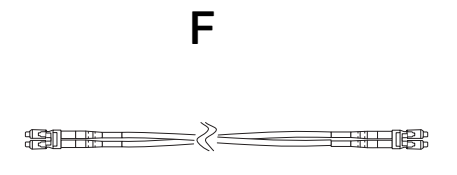
<p>3xMPO8 (non-pinned) to 12 LC-D</p>	<p>Method B trunk, 3x MPO8 (pinned)</p>	<p>3xMPO8 (non-pinned) to 12 LC-D</p>
To be replaced by C		
<p>3xMPO8 (non-pinned) to 12 LC-D</p>	<p>Method B trunk, 3x MPO8 (pinned)</p>	<p>3xMPO8 (non-pinned) to 12 LC-D</p>
To be replaced by C		
<p>3xMPO8 (non-pinned) to 12 LC-D</p>	<p>Method B trunk, 3x MPO8 (pinned)</p>	<p>3xMPO8 (non-pinned) to 12 LC-D</p>
To be replaced by C		



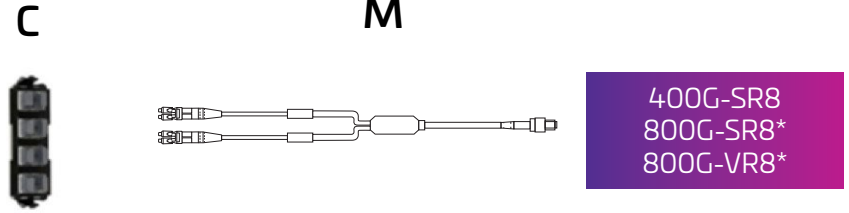
MPO16 (non-pinned) APC to 8x LC-duplex cord, ULL	
Fiber type	Part number
OM4	UQVRVLU7R
OM5	UQVRVLU7R



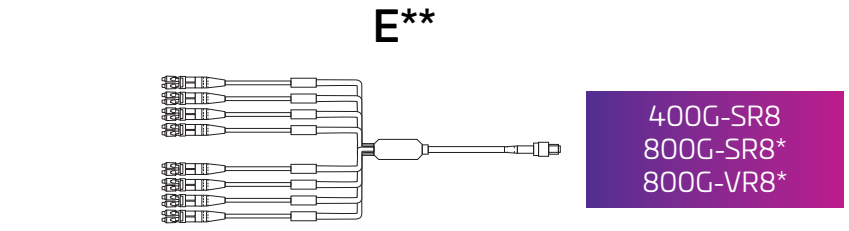
G2 adapter pack MPO, Polarity B	
# of connectors	Part number
8	760107524 360DP-8MPO



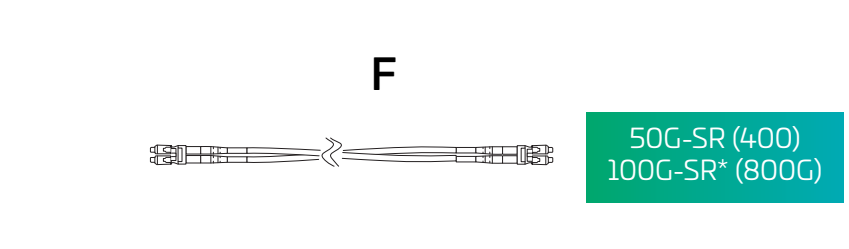
LC-duplex cord, ULL	
Fiber type	Part number
OM4	UDXLULUK2
OM5	UDVLULU



400G-SR8
800G-SR8*
800G-VR8*



400G-SR8
800G-SR8*
800G-VR8*



50G-SR (400)
100G-SR* (800G)

*Applications on the Ethernet roadmap
**Four LC-duplex ports will not be used by the shown port-to-port configuration. These ports can be part of another port-to-port configuration. To fully utilize the G2 modules using the "E" breakout array, 6x MPO16 to 8 LC-Duplex arrays would be necessary to bridge and support four G2 modules in a panel row.

SYSTIMAX G2 ultra-low loss multimode fiber

MPO8 trunks with MPO adapter packs

MPO adapter pack, Polarity B



Method B trunk, MPO8 (pinned)

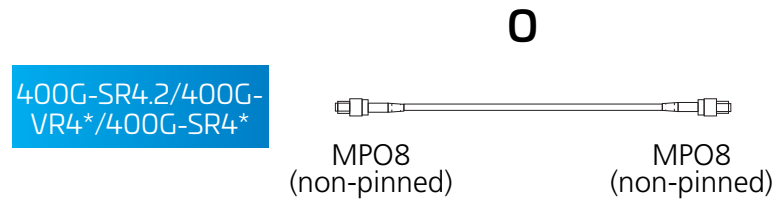


MPO adapter pack, Polarity B

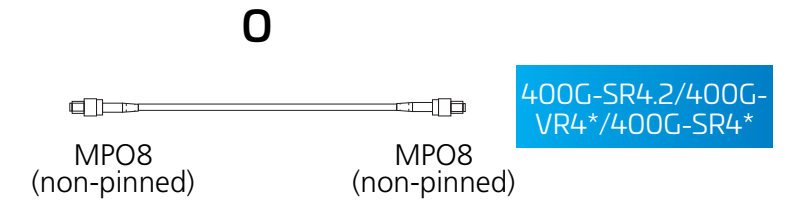
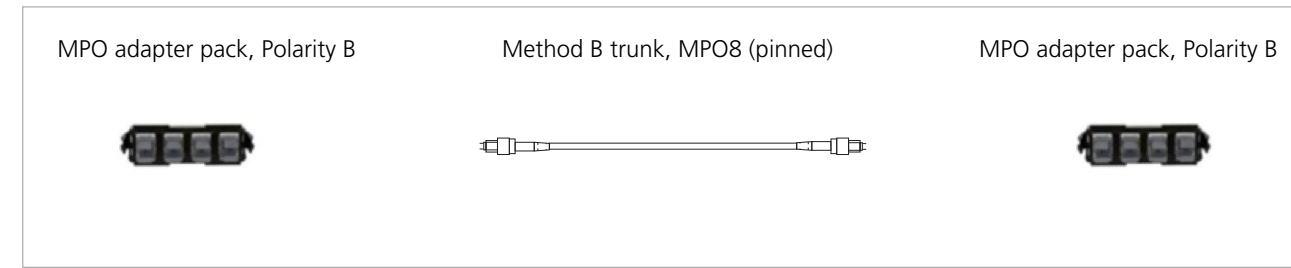


Connection to
400G-SR4.2/400G-VR4*/400G-SR4*

Maximum channel lengths	
OM4	100 m
OM5	150 m



Existing



0



MPO8 (non-pinned) to MPO8 (non-pinned) cord, ULL

Fiber type	Part number
OM4	UQXQPQPJ8
OM5	UQVQPQPJ8

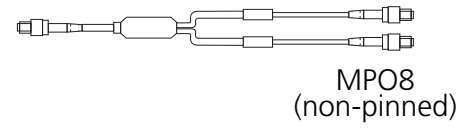
*Applications on the Ethernet roadmap

Connection to
400G-SR8
800G-SR8*
800G-VR8*

Maximum channel lengths	
OM4	100 m
OM5	150 m

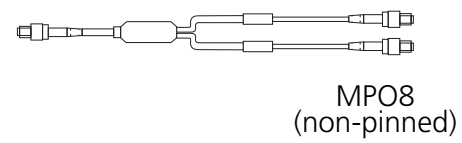
400G-SR8
 800G-SR8*
 800G-VR8*

M

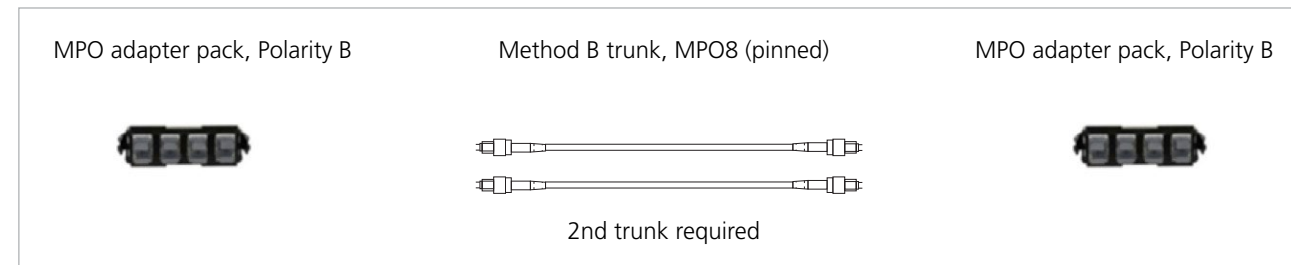
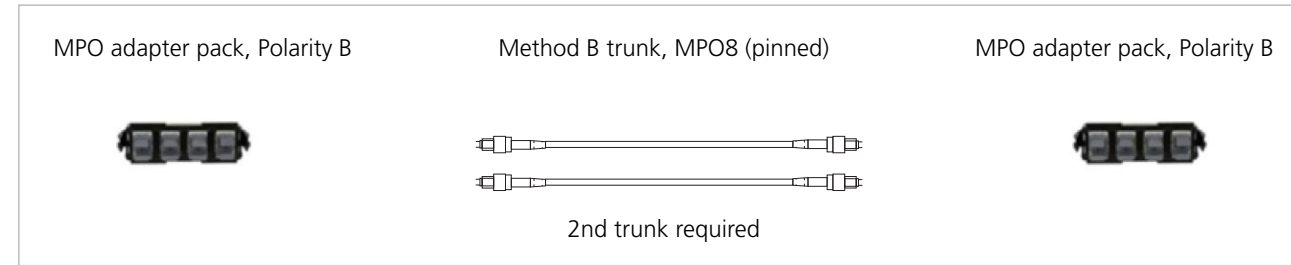


400G-SR8
 800G-SR8*
 800G-VR8*

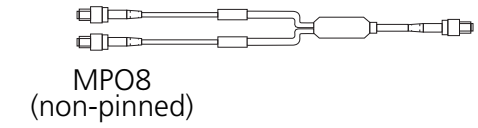
M



Existing

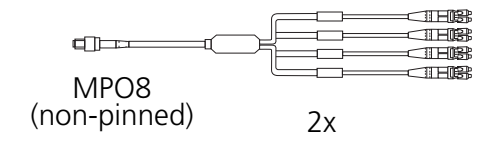


M



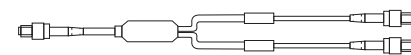
400G-SR8
 800G-SR8*
 800G-VR8*

A



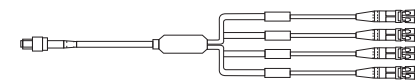
50G-SR (400)
 100G-SR* (800G)

M



MPO16 (non-pinned) APC to 2x MPO8 (non-pinned) cord, ULL	
Fiber type	Part number
OM4	UQXRVQP7RM
OM5	UQVRVQP7RN

A



MPO8f to 4x LC-duplex cord, ULL	
Fiber type	Part number
OM4	UQXQPLUJ8
OM5	UQVQPLUJ8

*Applications on the Ethernet roadmap

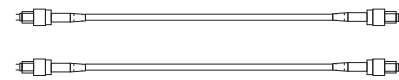
SYSTIMAX G2 ultra-low loss multimode fiber

MPO12 to LC-duplex

2xMPO12 (non-pinned) to 12 LC-D



Method B trunk, 2x MPO12 (pinned)

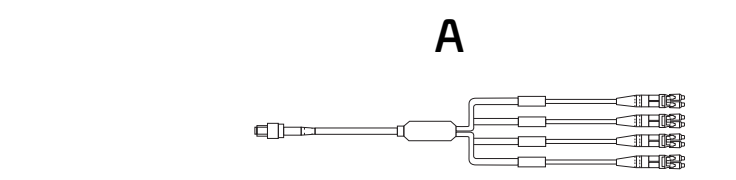
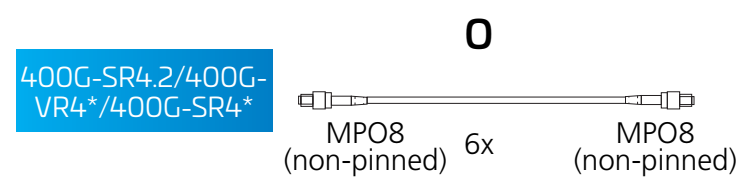
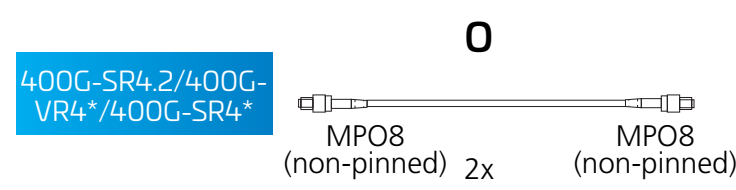
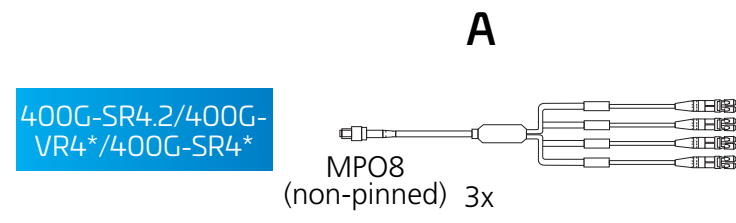


2xMPO12 (non-pinned) to 12 LC-D



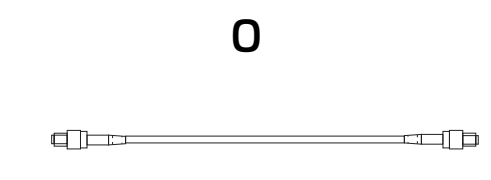
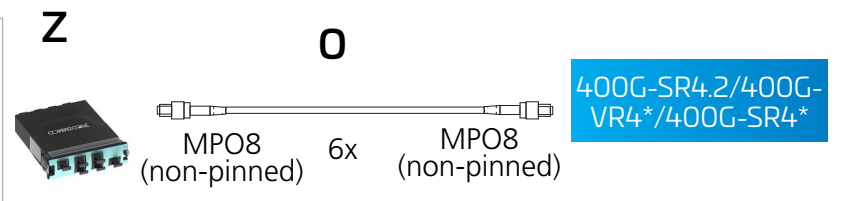
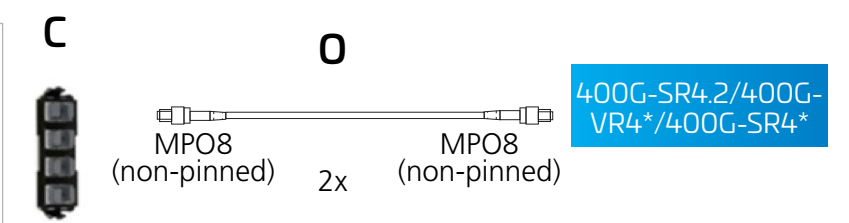
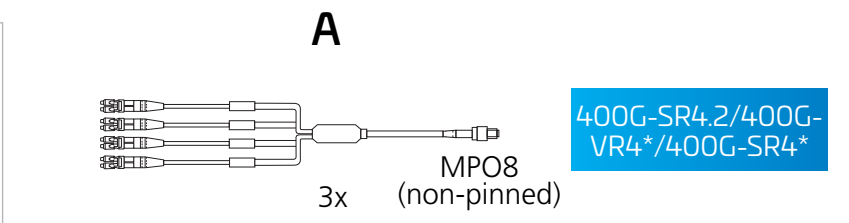
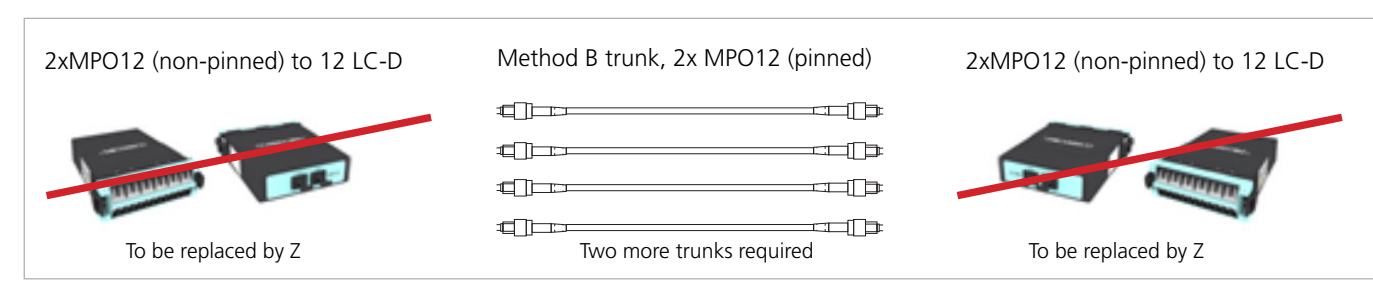
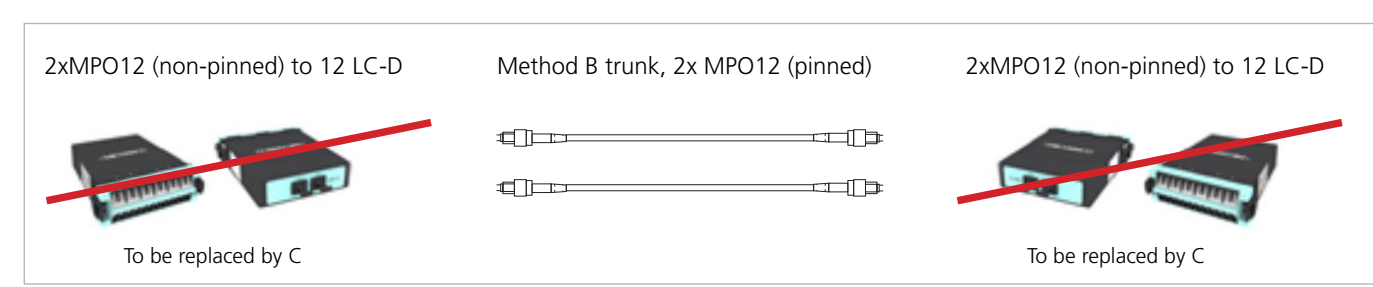
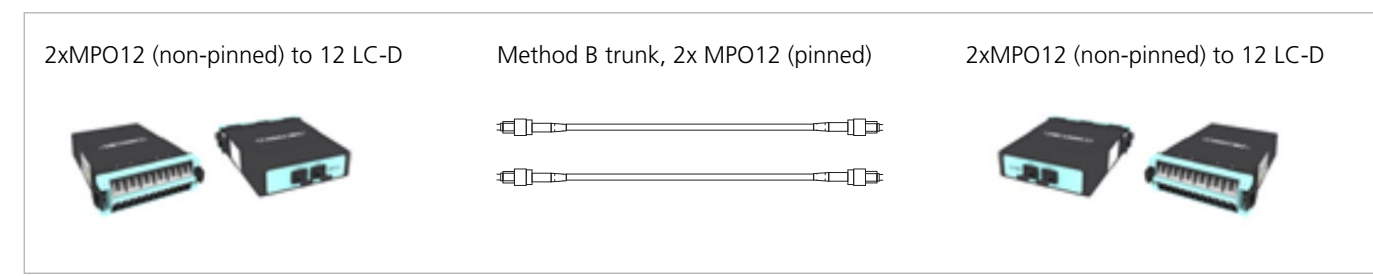
Connection to 400G-SR4.2/400G-VR4*/400G-SR4*

Maximum channel lengths	
OM4	100 m
OM5	150 m



MPO8f to 4 x LC duplex cord	
Fiber type	Part number
OM4	UQXQPLUJ8
OM5	UQVQPLUJ8

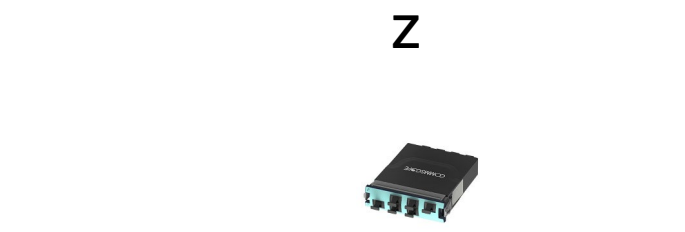
Existing



MPO8 (non-pinned) to MPO8 (non-pinned) cord, ULL	
Fiber type	Part number
OM4	UQXQPQPJ8
OM5	UQVQPQPJ8



G2 adapter pack MPO, Polarity B	
# of connectors	Part number
8	760107524 360DP-8MPO



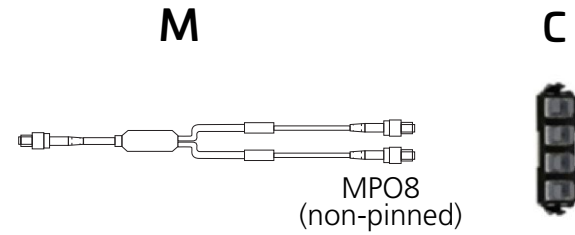
G2 conversion module, 4 x MPO12 (non-pinned) to 6x MPO8 (pinned)	
Fiber type	Part number
OM4	CM12-4X6-LS-ULL
OM5	CM12-4X6-WB-ULL

*Applications on the Ethernet roadmap

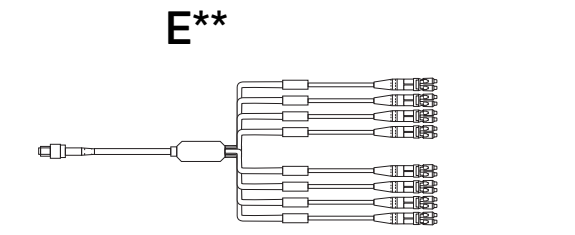
Connection to
400G-SR8
800G-SR8*
800G-VR8*

Maximum channel lengths	
OM4	100 m
OM5	150 m

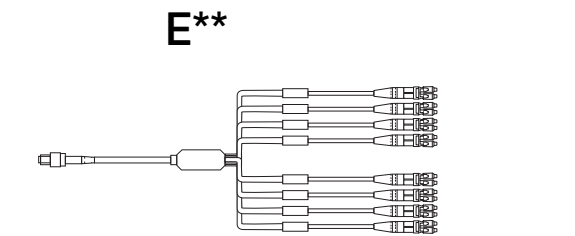
400G-SR8
 800G-SR8*
 800G-VR8*



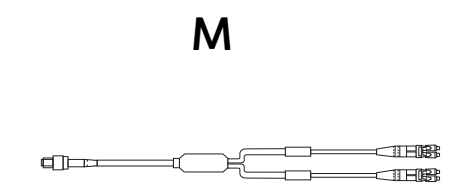
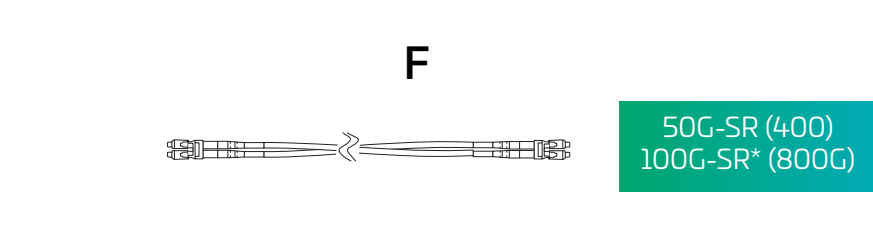
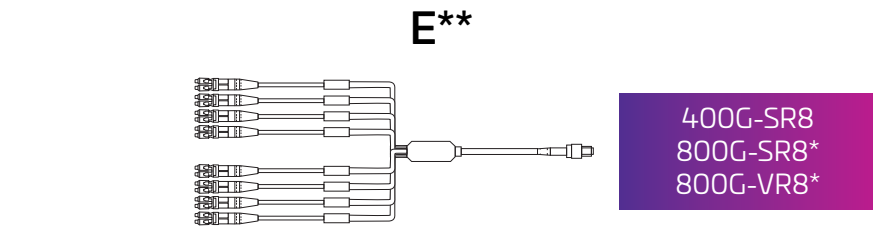
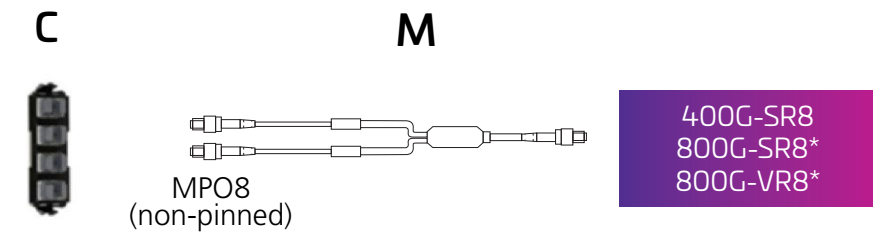
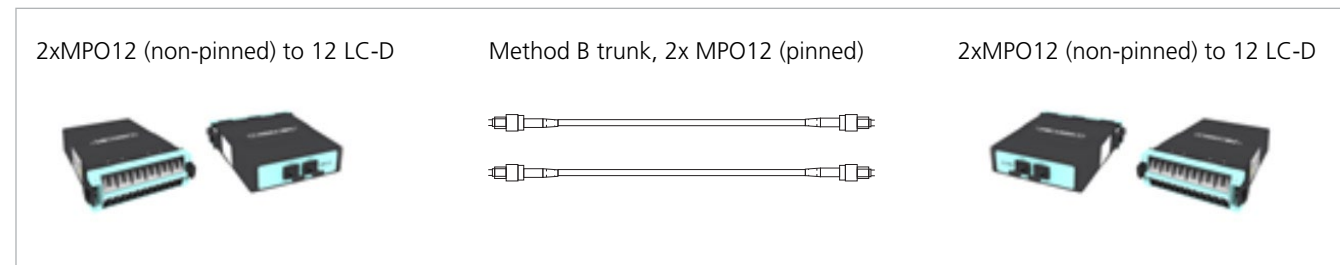
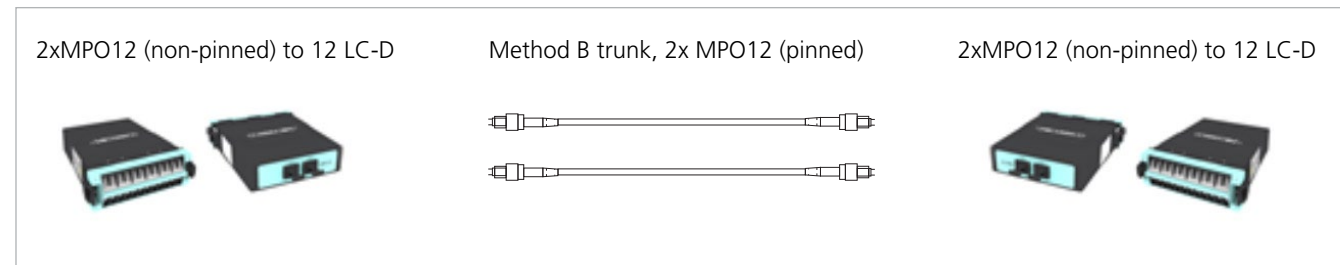
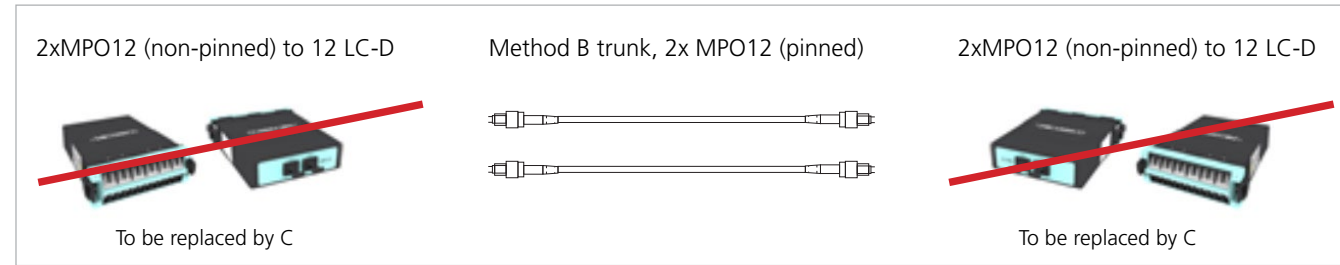
400G-SR8
 800G-SR8*
 800G-VR8*



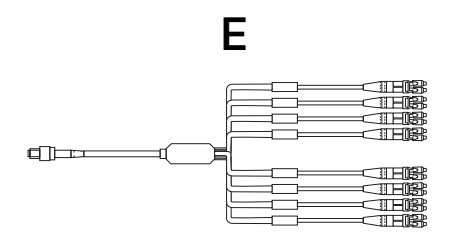
400G-SR8
 800G-SR8*
 800G-VR8*



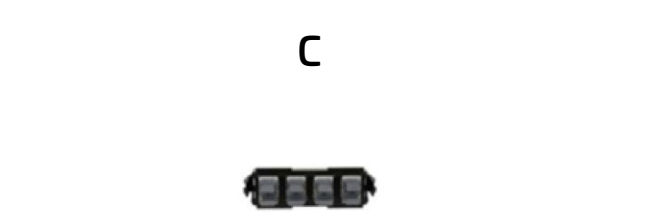
Existing



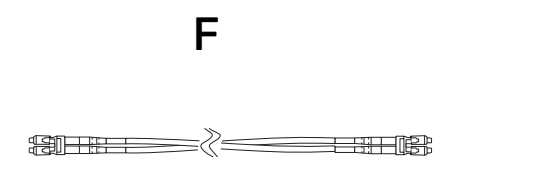
MPO16 (non-pinned) APC to 2x MPO8 (non-pinned) cord, ULL	
Fiber type	Part number
OM4	UQXRVP7R
OM5	UQXRVP7R



MPO16 (non-pinned) APC to 8x LC-duplex cord, ULL	
Fiber type	Part number
OM4	UQXRVLU7R
OM5	UQXRVLU7R



G2 adapter pack MPO, Polarity B	
# of connectors	Part number
8	760107524 360DP-8MPO



LC-duplex cord, ULL	
Fiber type	Part number
OM4	UDXLULUK2
OM5	UDVLULU

*Applications on the Ethernet roadmap
 **Four LC-duplex ports will not be used by the shown port-to-port configuration. These ports can be part of another port-to-port configuration. To fully utilize the G2 modules using the "E" breakout array, 6x MPO16 to 8 LC-Duplex arrays would be necessary to bridge and support four G2 modules in a panel row.

SYSTIMAX G2 ultra-low loss multimode fiber

MPO12 trunks with MPO adapter packs

MPO adapter pack, Polarity B



Method B trunk, MPO12 (pinned)

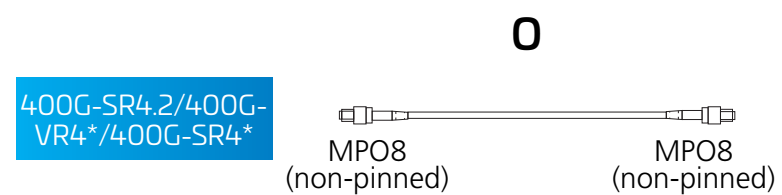


MPO adapter pack, Polarity B

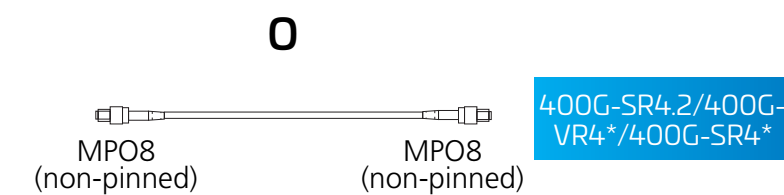
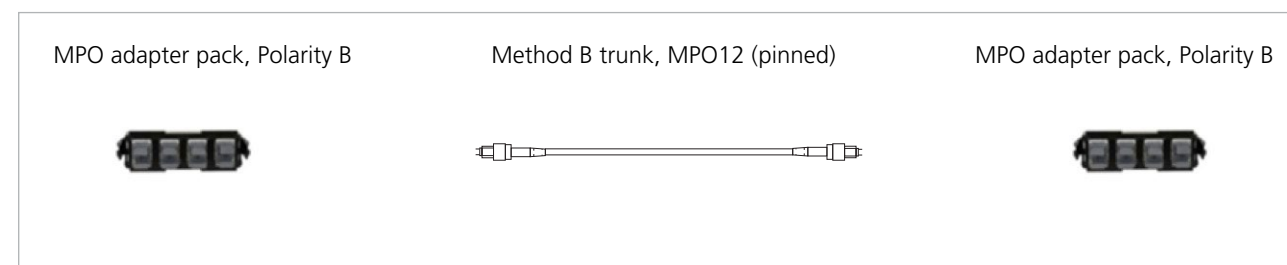


Connection to 400G-SR4.2/400G-VR4*/400G-SR4*

Maximum channel lengths	
OM4	100 m
OM5	150 m



Existing



0



MPO8 (non-pinned) to MPO8 (non-pinned) cord, ULL

Fiber type	Part number
OM4	UQXQPQPJ8
OM5	UQVQPQPJ8

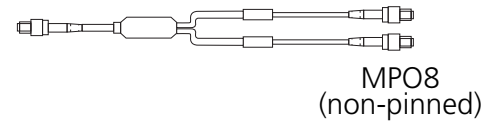
*Applications on the Ethernet roadmap

Connection to
400G-SR8
800G-SR8*
800G-VR8*

Maximum channel lengths	
OM4	100 m
OM5	150 m

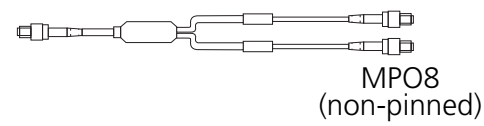
400G-SR8
 800G-SR8*
 800G-VR8*

M

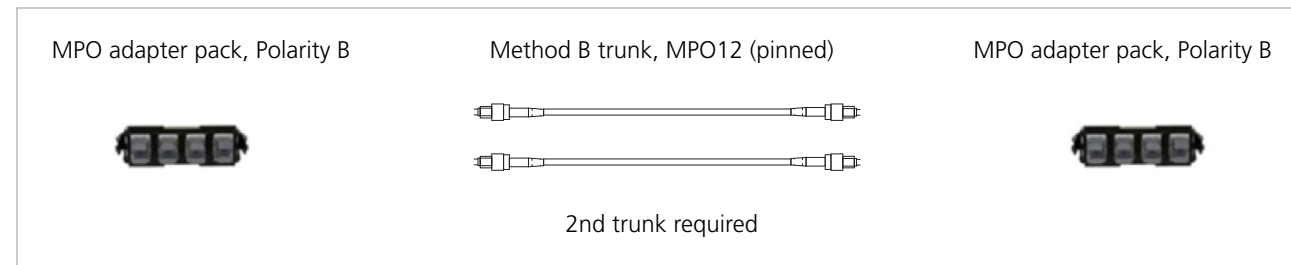
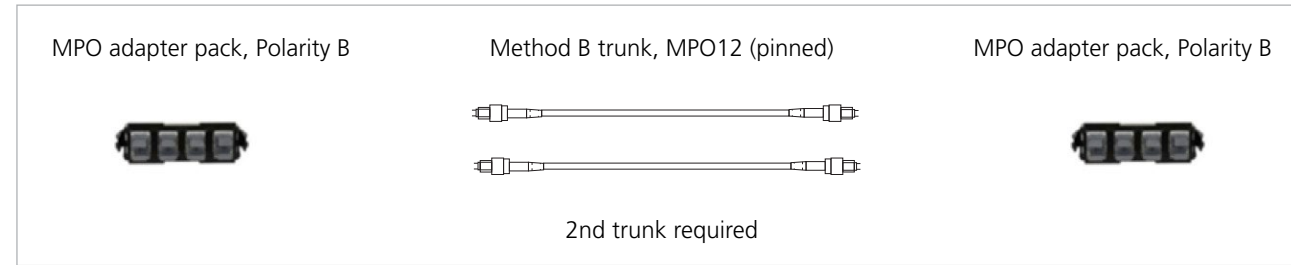


400G-SR8
 800G-SR8*
 800G-VR8*

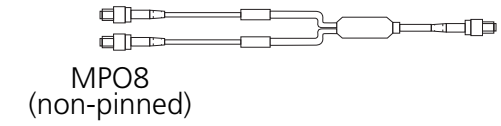
M



Existing

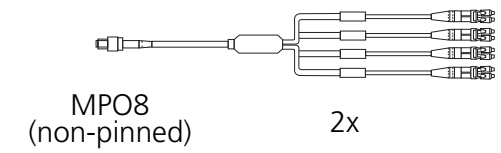


M



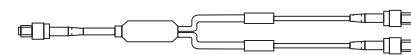
400G-SR8
 800G-SR8*
 800G-VR8*

A



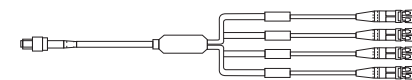
50G-SR (400)
 100G-SR* (800G)

M



MPO16 (non-pinned) APC to 2x MPO8 (non-pinned) cord, ULL	
Fiber type	Part number
OM4	UQXRVQP7R
OM5	UQXRVQP7R

A



MPO8 (non-pinned) to 4x LC-duplex cord, ULL	
Fiber type	Part number
OM4	UQXQPLUJ8
OM5	UQVQPLUJ8

*Applications on the Ethernet roadmap

SYSTIMAX G2 ultra-low loss multimode fiber

MPO24 to LC-duplex

1xMPO24 (non-pinned) to 12 LC-D



Method B trunk, MPO24 (pinned)

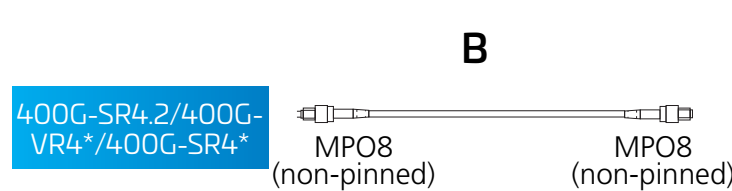
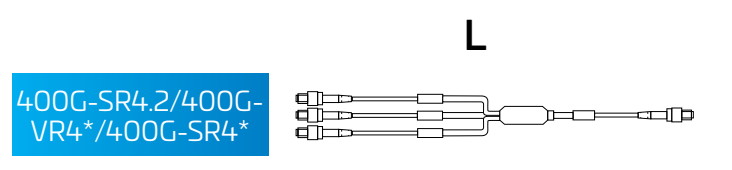
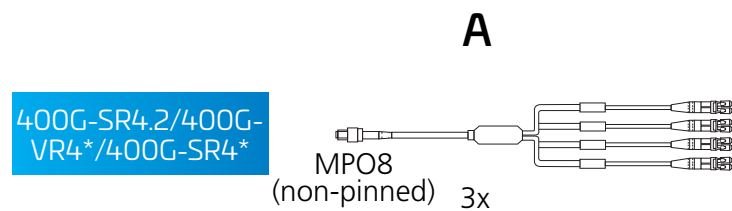


1xMPO24 (non-pinned) to 12 LC-D

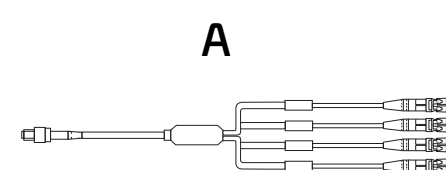
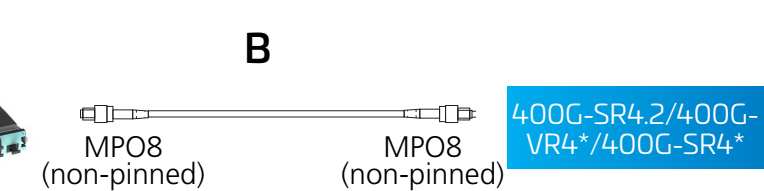
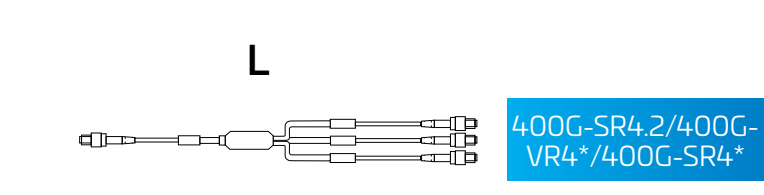
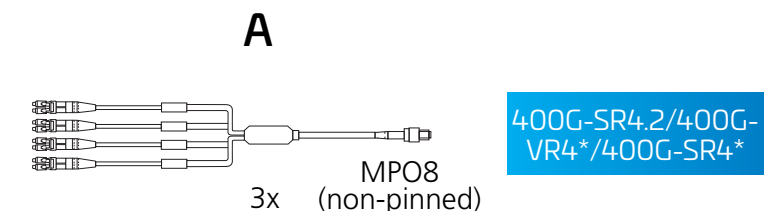
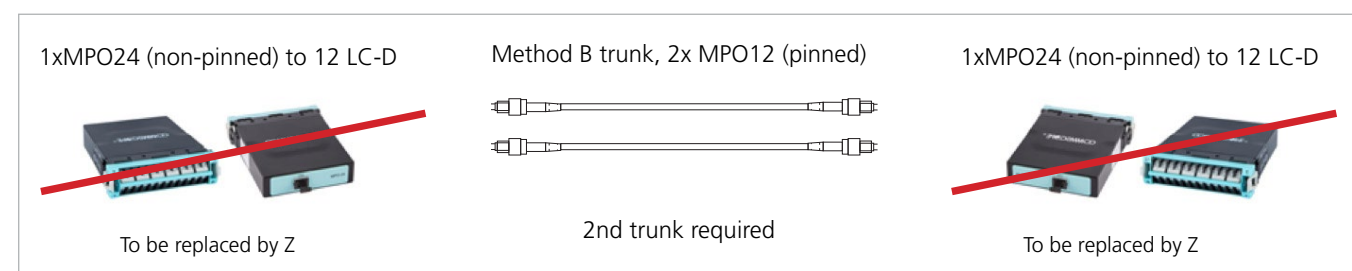
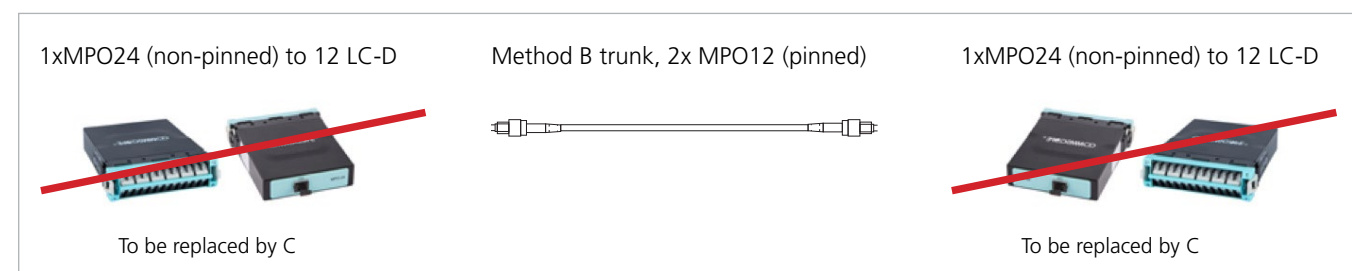
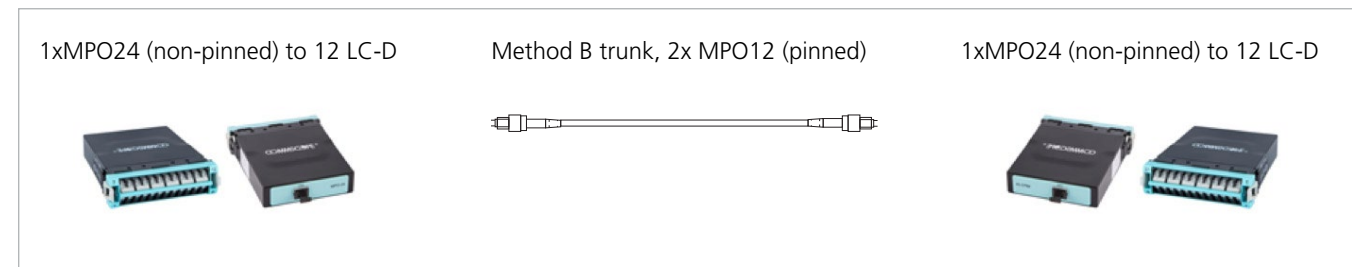


Connection to 400G-SR4.2/400G-VR4*/400G-SR4*

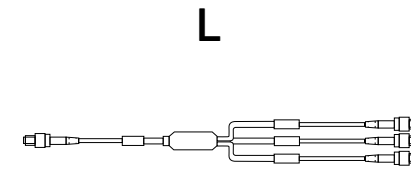
Maximum channel lengths	
OM4	100 m
OM5	150 m



Existing



MPO8 (non-pinned) to 4 x LC duplex cord	
Fiber type	Part number
OM4	UQXQPLUJ8
OM5	UQVQPLUJ8



MPO24 (non-pinned) to 3x MPO8 (non-pinned) cord, ULL	
Fiber type	Part number
OM4	UQX2PQPPHF
OM5	UQV2PQPHF



G2 adapter pack MPO, Polarity B	
# of connectors	Part number
8	760107524 360DP-8MPO



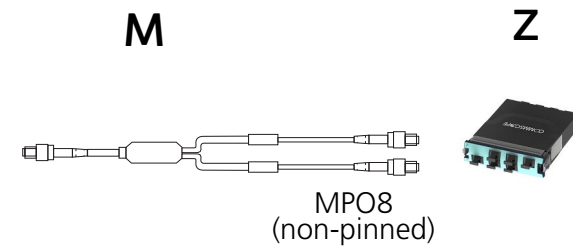
G2 Conversion module, 2x MPO24 (non-pinned) to 6x MPO8 (pinned)	
Fiber type	Part number
OM4	CM24-2X6-LS-ULL
OM5	CM24-2X6-WB-ULL

*Applications on the Ethernet roadmap

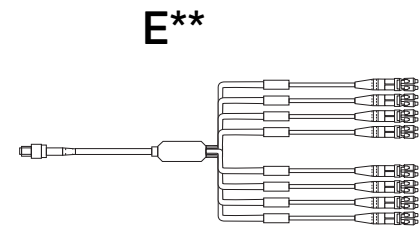
Connection to
400G-SR8
800G-SR8*
800G-VR8*

Maximum channel lengths	
OM4	100 m
OM5	150 m

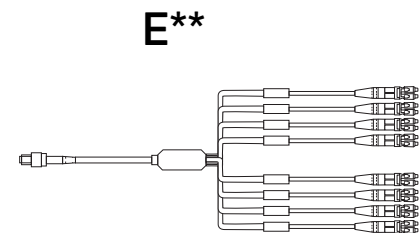
400G-SR8
 800G-SR8*
 800G-VR8*



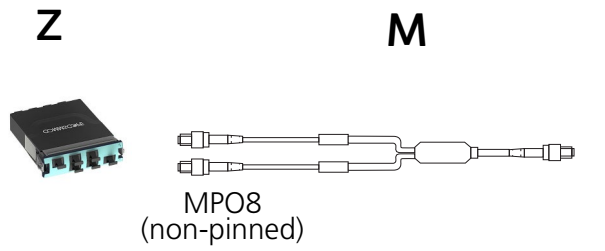
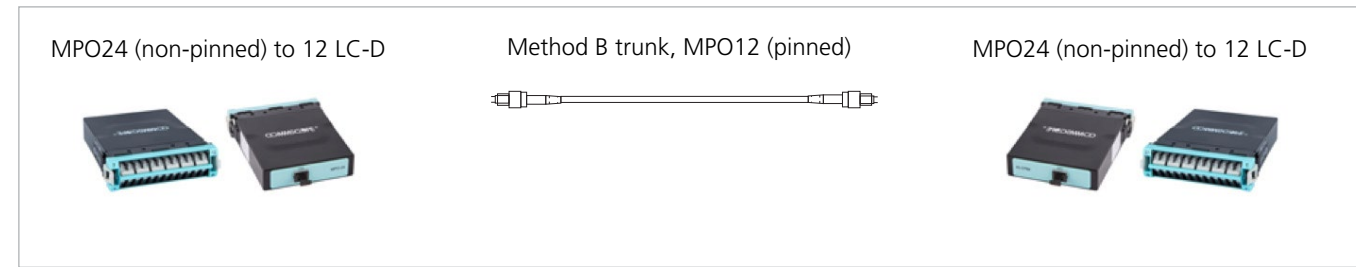
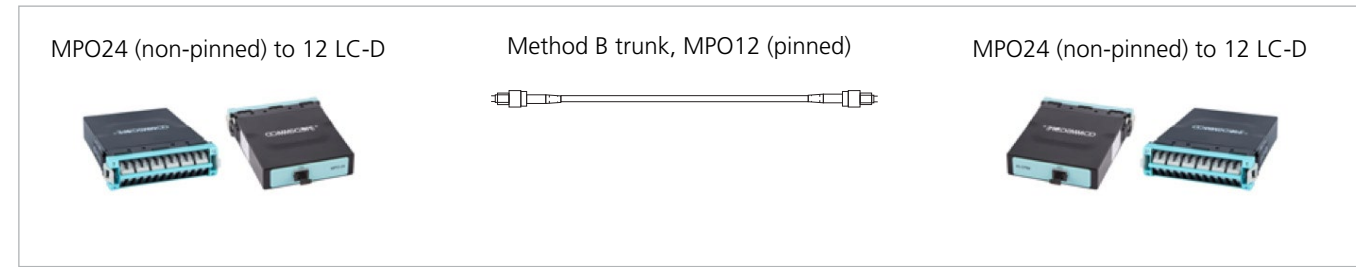
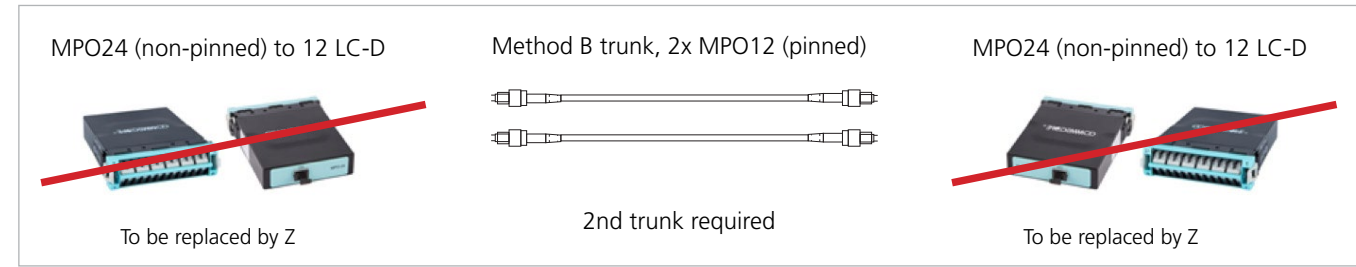
400G-SR8
 800G-SR8*
 800G-VR8*



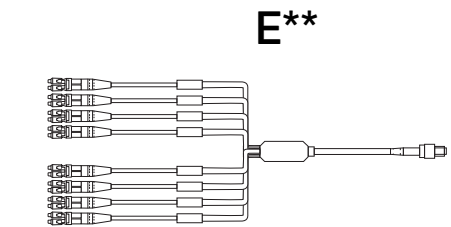
400G-SR8
 800G-SR8*
 800G-VR8*



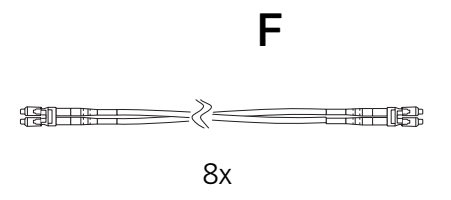
Existing



400G-SR8
 800G-SR8*
 800G-VR8*



400G-SR8
 800G-SR8*
 800G-VR8*



50G-SR (400)
 100G-SR* (800G)

M

MPO16 (non-pinned) APC to 2x MPO8 (non-pinned) cord, ULL

Fiber type	Part number
OM4	UQXRVQP7R
OM5	UQXRVQP7R

E

MPO16 (non-pinned) APC to 8x LC-duplex cord, ULL

Fiber type	Part number
OM4	UQXRVLU7R
OM5	UQXRVLU7R

Z

G2 conversion module, 2 x MPO24 (non-pinned) to 6x MPO8 (pinned)

Fiber type	Part number
OM4	CM24-2X6-LS-ULL
OM5	CM24-2X6-WB-ULL

F

LC-duplex cord, ULL

Fiber type	Part number
OM4	UDXLULUK2
OM5	UDVLULU

*Applications on the Ethernet roadmap
 **Four LC-duplex ports will not be used by the shown port-to-port configuration. These ports can be part of another port-to-port configuration. To fully utilize the G2 modules using the "E" breakout array, 6x MPO16 to 8 LC-Duplex arrays would be necessary to bridge and support four G2 modules in a panel row.

SYSTIMAX G2 ultra-low loss multimode fiber

MPO24 trunks with MPO adapter packs

MPO adapter pack, Polarity B



Method B trunk, MPO24 (pinned)



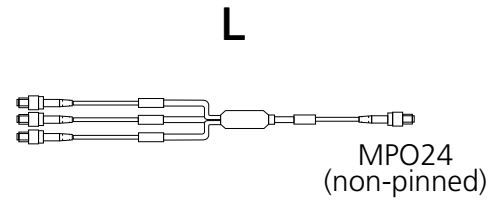
MPO adapter pack, Polarity B



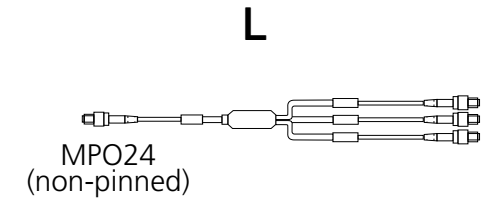
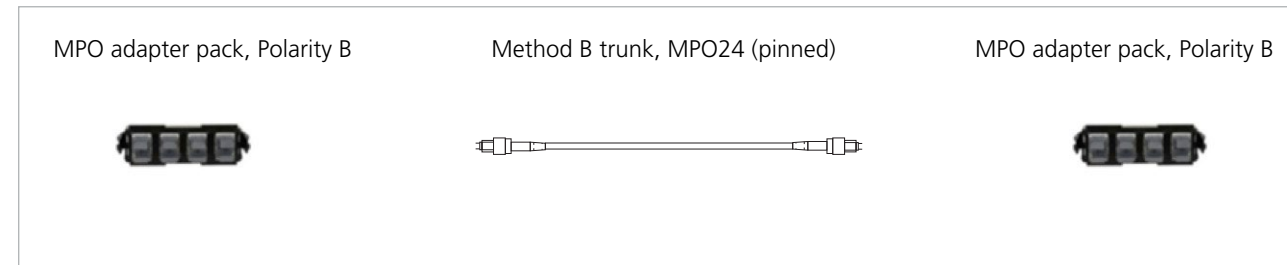
Connection to 400G-SR4.2/400G-VR4*/400G-SR4*

Maximum channel lengths	
OM4	100 m
OM5	150 m

400G-SR4.2/400G-VR4*/400G-SR4*

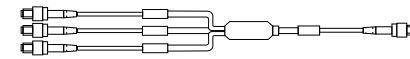


Existing



400G-SR4.2/400G-VR4*/400G-SR4*

L



MPO24 (non-pinned) to 3 MPO8 (non-pinned) cord, ULL

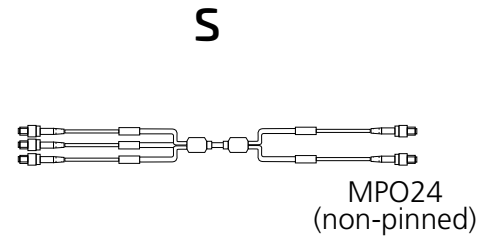
Fiber type	Part number
OM4	UQX2PQPPHF
OM5	UQV2PQPHF

*Applications on the Ethernet roadmap

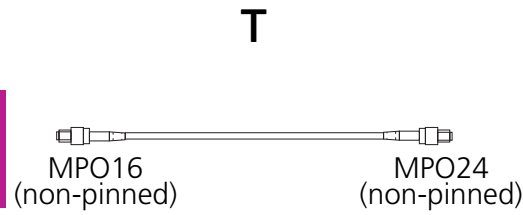
Connection to
400G-SR8
800G-SR8*
800G-VR8*

Maximum channel lengths	
OM4	100 m
OM5	150 m

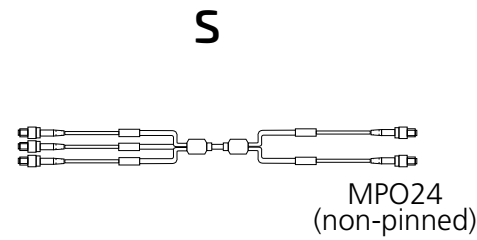
400G-SR8
 800G-SR8*
 800G-VR8*



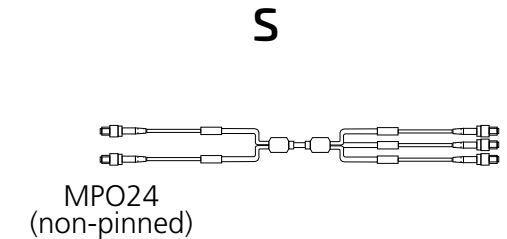
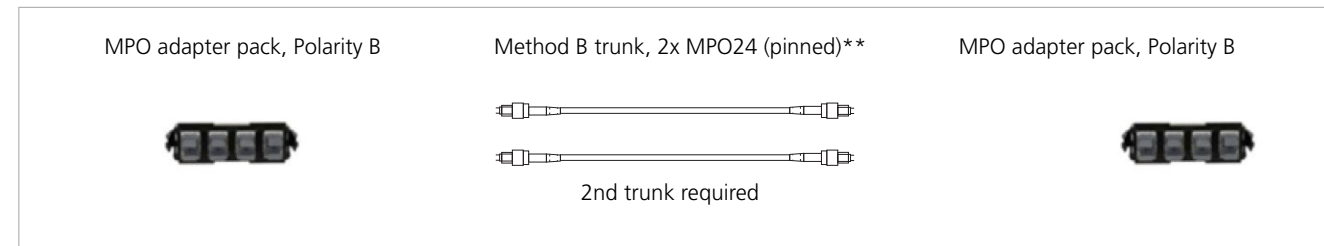
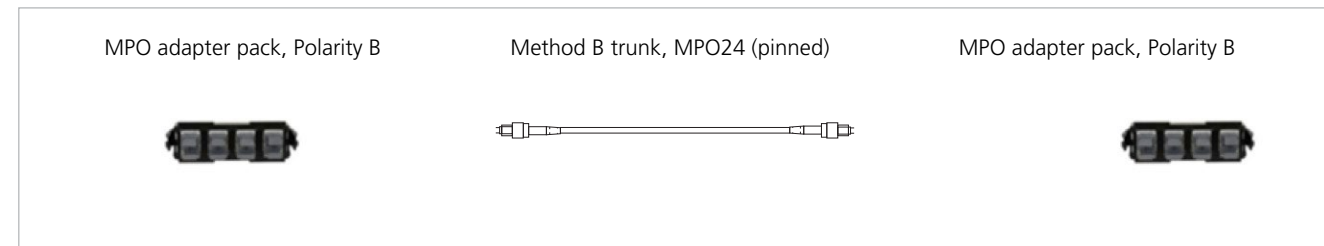
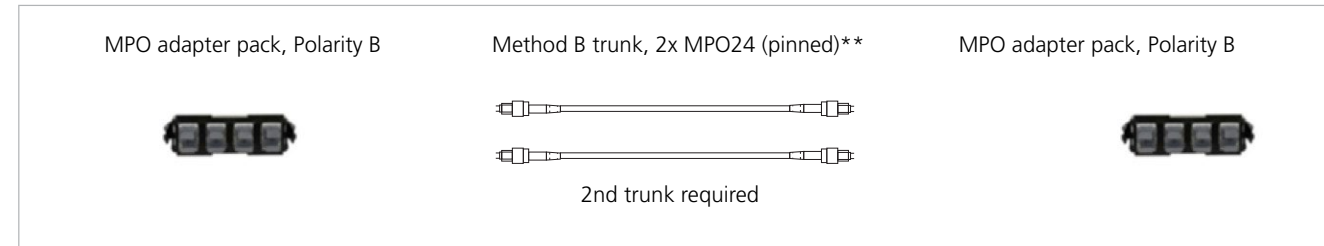
400G-SR8
 800G-SR8*
 800G-VR8*



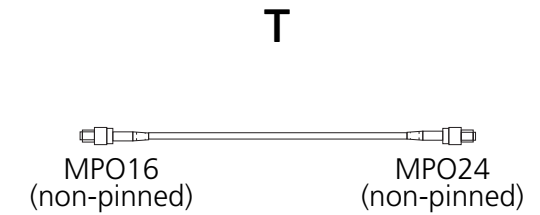
400G-SR8
 800G-SR8*
 800G-VR8*



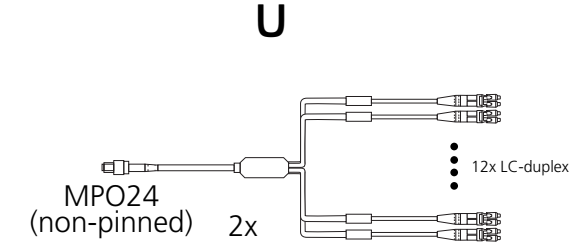
Existing



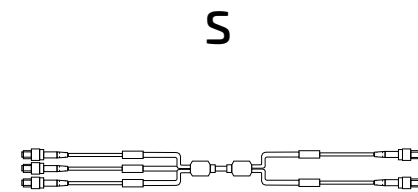
400G-SR8
 800G-SR8*
 800G-VR8*



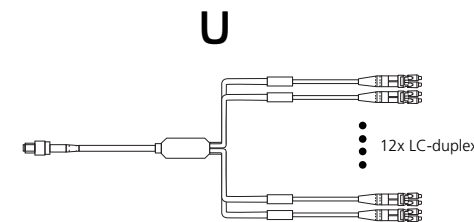
400G-SR8
 800G-SR8*
 800G-VR8*



50G-SR (400)
 100G-SR* (800G)



3xMPO16 (non-pinned) APC to 2x MPO24 (non-pinned) cord, ULL	
Fiber type	Part number
OM4	UQX2PRVBH-MAxxxx
OM5	UQV2PRPBH-NAxxxx



MPO24 (non-pinned) to 12x LC-duplex cord, ULL	
Fiber type	Part number
OM4	UQX2PLUHF
OM5	UQV2PLUHF

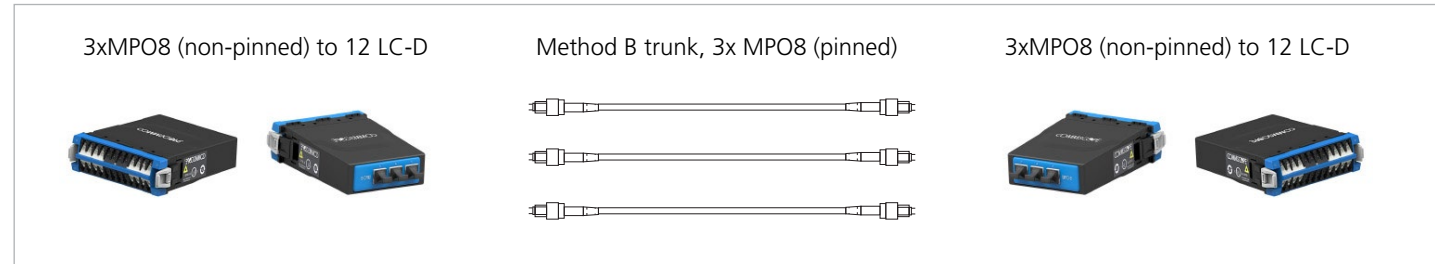


MPO16 (non-pinned) APC to MPO24 (non-pinned) cord	
Fiber type	Part number
OM4	UQX2PRVBH
OM5	UQV2PRVBH

*Applications on the Ethernet roadmap
 ** Trunks have to be under the same sheath

SYSTIMAX G2 ultra-low loss singlemode fiber

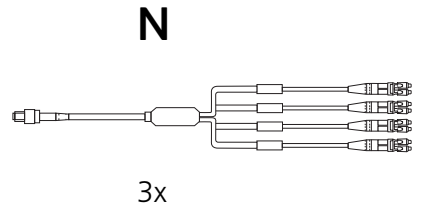
MPO8 to LC-duplex



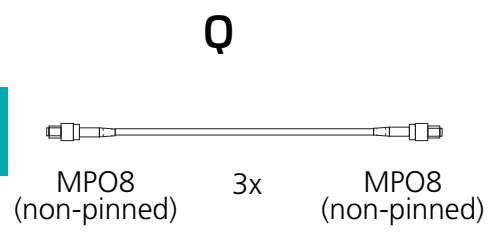
Connection to
400G-DR4
800G-DR4*

Maximum channel lengths	
DR4	500 m

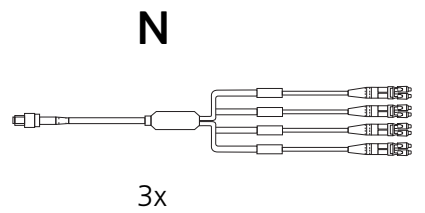
400G-DR4
800G-DR4*



400G-DR4
800G-DR4*



400G-DR4
800G-DR4*



MPO8 (non-pinned) APC to 4x LC-duplex cord, ULL	
Fiber type	Part number
OS2	UQGQPLUJ8

Existing

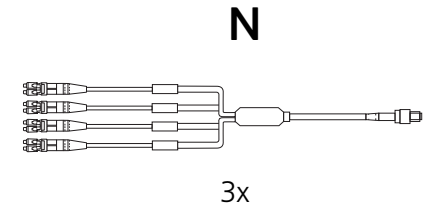
3xMPO8 (non-pinned) to 12 LC-D Method B trunk, 3x MPO8 (pinned) 3xMPO8 (non-pinned) to 12 LC-D

3xMPO8 (non-pinned) to 12 LC-D Method B trunk, 3x MPO8 (pinned) 3xMPO8 (non-pinned) to 12 LC-D

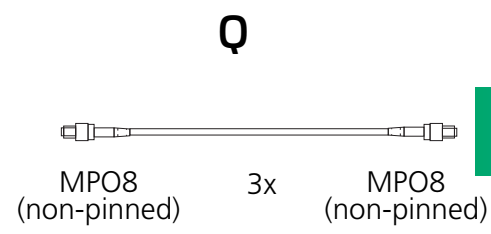
To be replaced by C

3xMPO8 (non-pinned) to 12 LC-D Method B trunk, 3x MPO8 (pinned) 3xMPO8 (non-pinned) to 12 LC-D

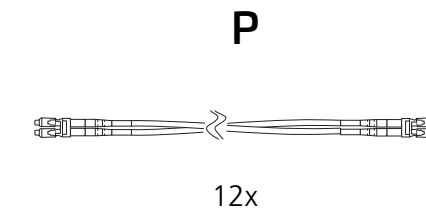
400G-DR4
800G-DR4*



400G-DR4
800G-DR4*



100G-DR4
200G-DR4*



MPO8 (non-pinned) APC to MPO8 (non-pinned) APC cord, ULL	
Fiber type	Part number
OS2	UQGQPQJ8

G2 adapter pack MPO, Polarity B	
# of connectors	Part number
8	760107524 360DP-8MPO

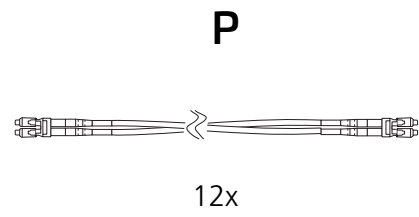
LC-duplex cord, ULL	
Fiber type	Part number
OS2	UDGLULUK2

*Applications on the Ethernet roadmap

Connection to
400G-FR8
400G-LR8
800G-FR4*

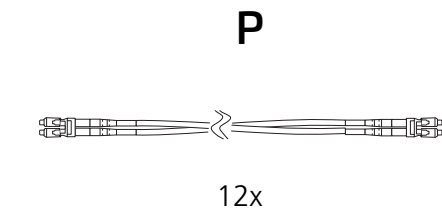
Maximum channel lengths	
FR4	2 km
FR8	2 km
LR8	10 km

400G-FR8
 400G-LR8
 800G-FR4*



Existing

3xMPO8 (non-pinned) to 12 LC-D	Method B trunk, 3x MPO8 (pinned)	3xMPO8 (non-pinned) to 12 LC-D



400G-FR8
 400G-LR8
 800G-FR4*

P

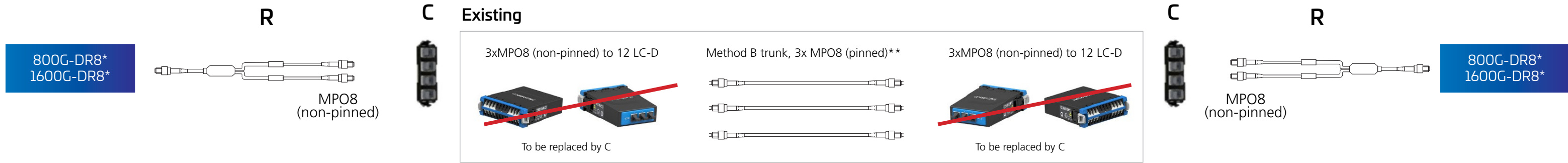


LC-duplex cord, ULL	
Fiber type	Part number
OS2	UDGLULUK2

*Applications on the Ethernet roadmap

Connection to
800G-DR8*
1600G-DR8*

Maximum channel lengths	
DR8	500 m



R

MPO16 (non-pinned) APC to 2x MPO8 (non-pinned) APC cord	
Fiber type	Part number
OS2	URGRPQP7R

C

G2 adapter pack MPO, Polarity B	
# of connectors	Part number
8	760107524 360DP-8MPO

*Applications on the Ethernet roadmap
**One 8-fiber trunk will not be used by the shown port-to-port configuration. This trunk can be part of another port-to-port configuration

SYSTIMAX G2 ultra-low loss singlemode fiber

MPO8 trunks with MPO adapter packs

MPO adapter pack, Polarity B



Method B trunk, MPO8 (pinned)



MPO adapter pack, Polarity B



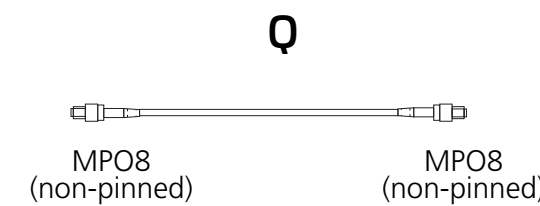
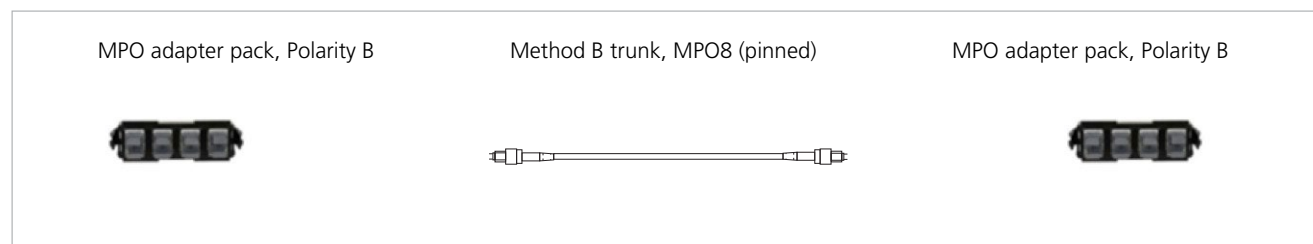
Connection to
400G-DR4
800G-DR4*

Maximum channel lengths	
DR4	500 m

400G-DR4
800G-DR4*



Existing



400G-DR4
800G-DR4*



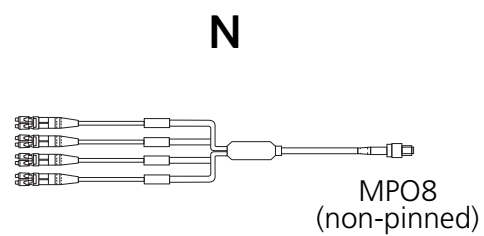
MPO8 (non-pinned) to MPO8 (non-pinned) cord, ULL	
Fiber type	Part number
OS2	UQGQPQJ8

*Applications on the Ethernet roadmap

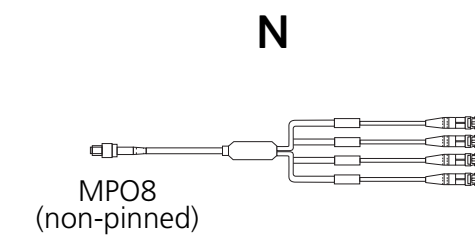
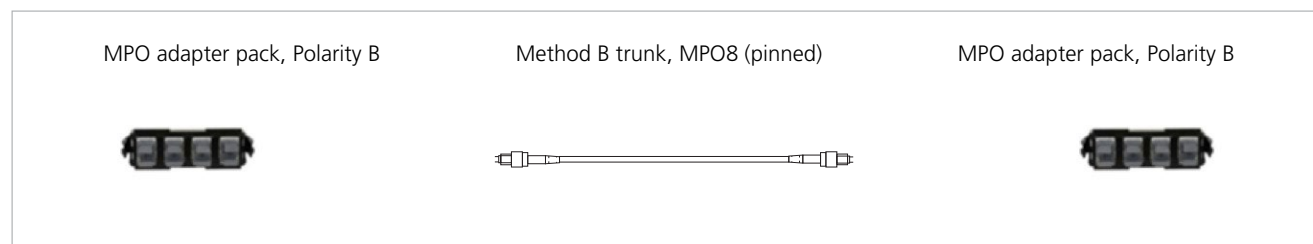
Connection to
400G-FR8
400G-LR8
800G-FR4*

Maximum channel lengths	
FR4	2 km
FR8	2 km
LR8	10 km

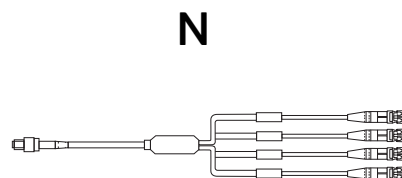
400G-FR8
 400G-LR8
 800G-FR4*



Existing



400G-FR8
 400G-LR8
 800G-FR4*



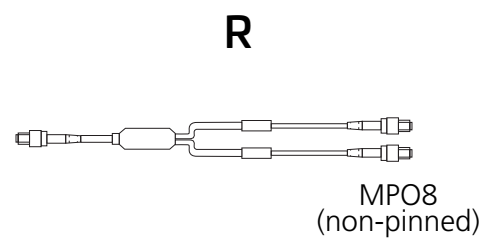
MPO8 (non-pinned) to 4 x LC-duplex cord, ULL	
Fiber type	Part number
OS2	UQGQPLUJ8

*Applications on the Ethernet roadmap

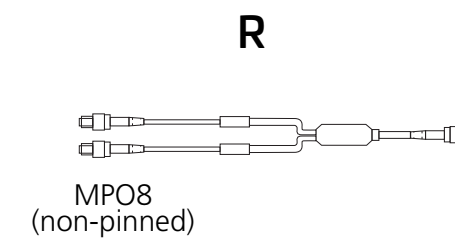
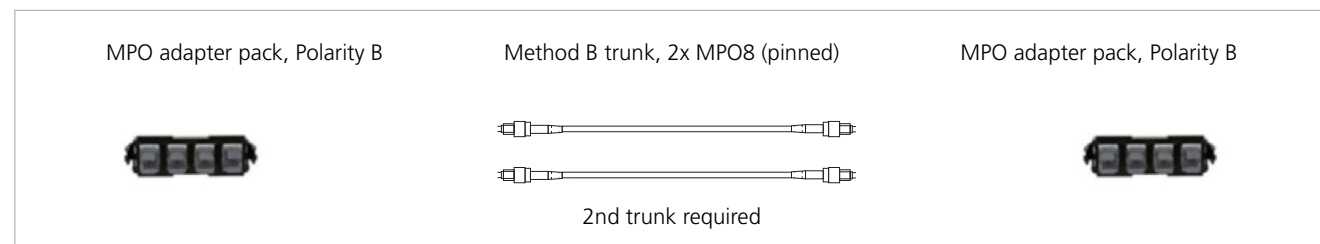
Connection to
800G-DR8*
1600G-DR8*

Maximum channel lengths	
DR8	500 m

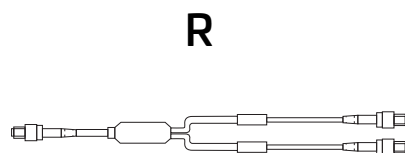
800G-DR8*
1600G-DR8*



Existing



800G-DR8*
1600G-DR8*

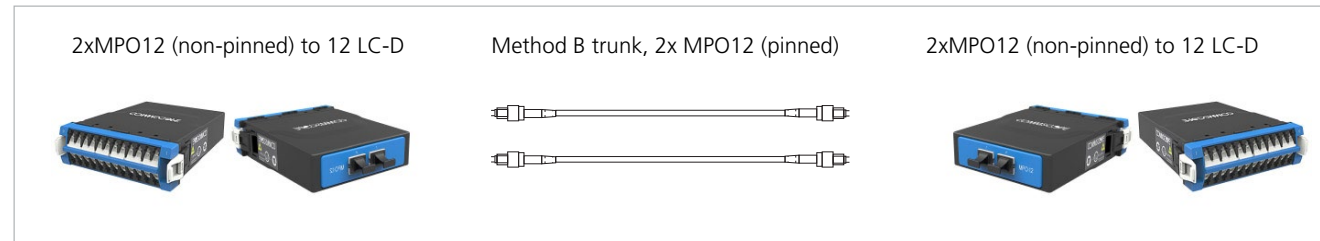


MPO16 (non-pinned) APC to 2x MPO8 (non-pinned) APC cord	
Fiber type	Part number
OS2	UQGRPQP7RJ

*Applications on the Ethernet roadmap

SYSTIMAX G2 ultra-low loss singlemode fiber

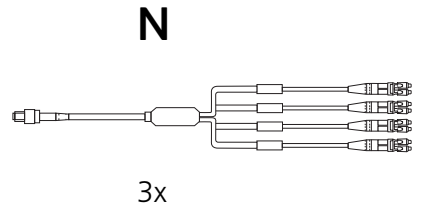
MPO12 to LC-duplex



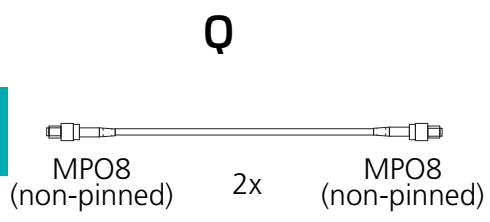
Connection to
400G-DR4
800G-DR4*

Maximum channel lengths	
OS2	500 m

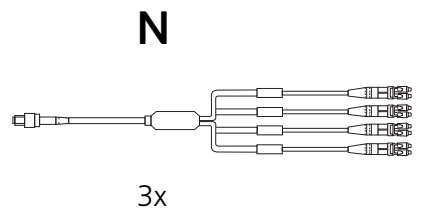
400G-DR4
800G-DR4*



400G-DR4
800G-DR4*



400G-DR4
800G-DR4*



MPO8 (non-pinned) APC to 4x LC-duplex cord, ULL	
Fiber type	Part number
OS2	UQGQPLUJ8

Existing

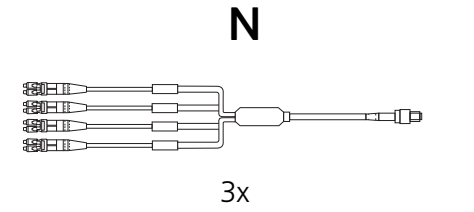
2xMPO12 (non-pinned) to 12 LC-D Method B trunk, 2x MPO12 (pinned) 2xMPO12 (non-pinned) to 12 LC-D

2xMPO12 (non-pinned) to 12 LC-D Method B trunk, 2x MPO12 (pinned) 2xMPO12 (non-pinned) to 12 LC-D

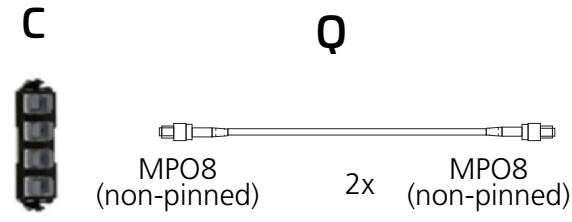
To be replaced by C

2xMPO12 (non-pinned) to 12 LC-D Method B trunk, 2x MPO12 (pinned) 2xMPO12 (non-pinned) to 12 LC-D

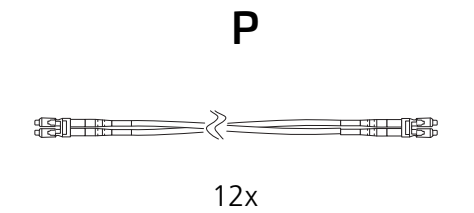
400G-DR4
800G-DR4*



400G-DR4
800G-DR4*



100G-DR4
200G-DR4*



Q

2x

MPO8 (non-pinned) APC to MPO8 (non-pinned) APC cord, ULL	
Fiber type	Part number
OS2	UQGQPQJ8

C

G2 adapter pack MPO, Polarity B	
# of connectors	Part number
8	760107524 360DP-8MPO

P

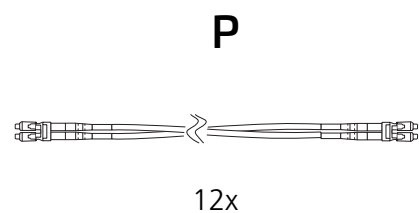
LC-duplex cord, ULL	
Fiber type	Part number
OS2	UDGLULUK2

*Applications on the Ethernet roadmap

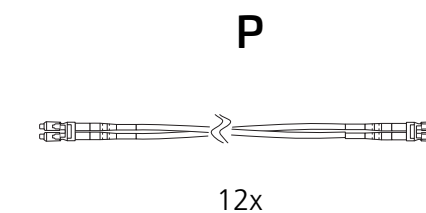
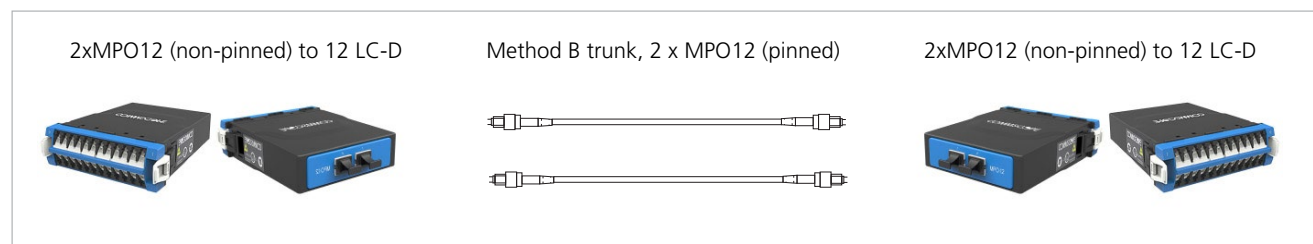
Connection to
400G-FR8
400G-LR8
800G-FR4*

Maximum channel lengths	
FR4	2 km
FR8	2 km
LR8	10 km

400G-FR8
 400G-LR8
 800G-FR4*

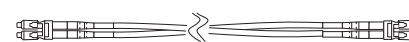


Existing



400G-FR8
 400G-LR8
 800G-FR4*

P

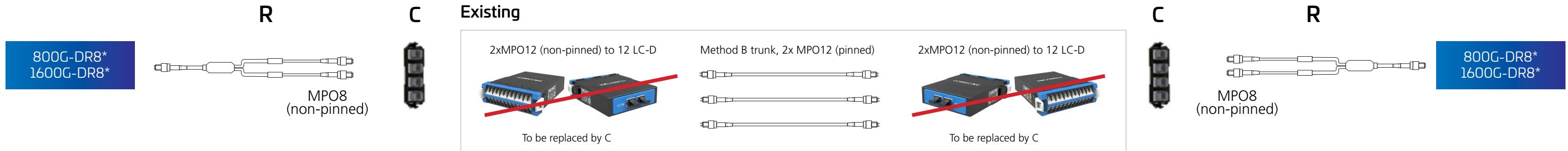


LC-duplex cord, ULL	
Fiber type	Part number
OS2	UDGLULUK2

*Applications on the Ethernet roadmap

Connection to
800G-DR8*
1600G-DR8*

Maximum channel lengths	
DR8	500 m



R

MPO16 (non-pinned) APC to 2x MPO8 (non-pinned) APC cord	
Fiber type	Part number
OS2	UQGRPQP7RJ

C

G2 adapter pack MPO, Polarity B	
# of connectors	Part number
8	760107524 360DP-8MPO

*Applications on the Ethernet roadmap

SYSTIMAX G2 ultra-low loss singlemode fiber

MPO12 trunks with MPO adapter packs

MPO adapter pack, Polarity B



Method B trunk, MPO12 (pinned)



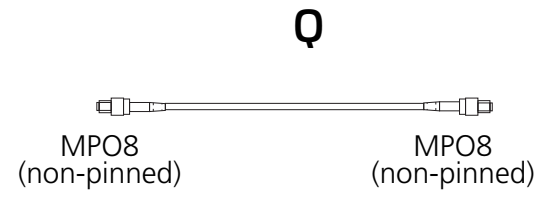
MPO adapter pack, Polarity B



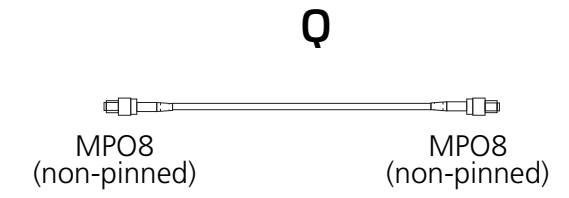
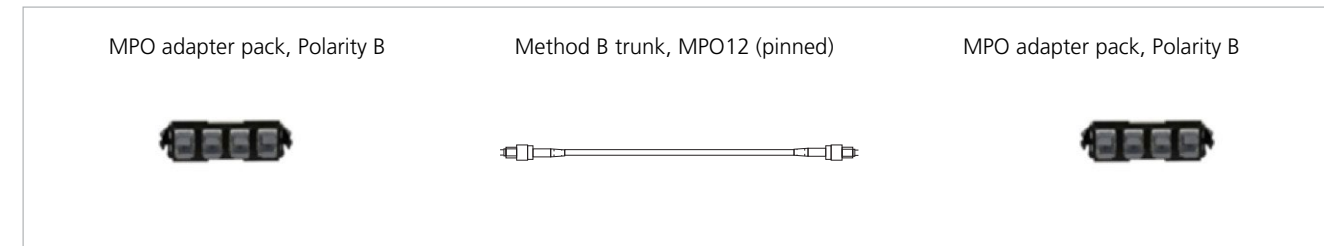
Connection to
400G-DR4
800G-DR4*

Maximum channel lengths	
DR4	500 m

400G-DR4
800G-DR4*



Existing



400G-DR4
800G-DR4*



MPO8 (non-pinned) to MPO8 (non-pinned) cord, ULL

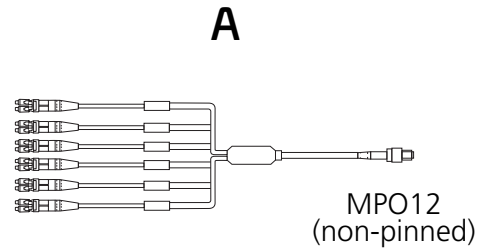
Fiber type	Part number
OS2	UQGQPQJ8

*Applications on the Ethernet roadmap

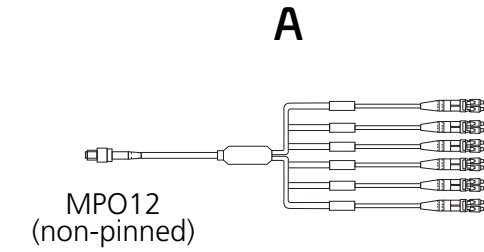
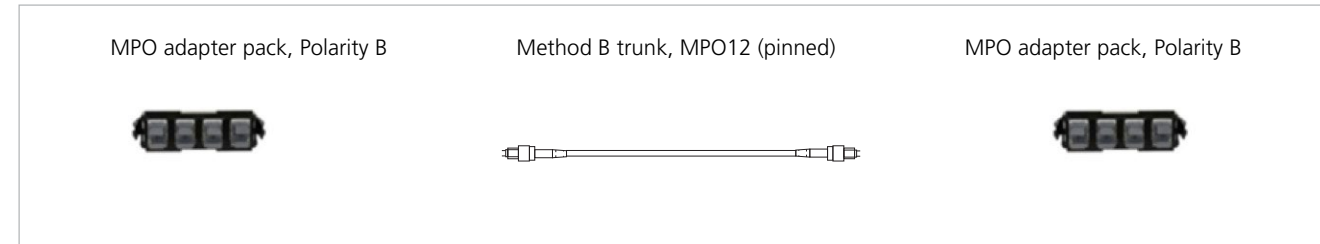
Connection to
400G-FR8
400G-LR8
800G-FR4*

Maximum channel lengths	
FR4	2 km
FR8	2 km
LR8	10 km

400G-FR8
 400G-LR8
 800G-FR4*

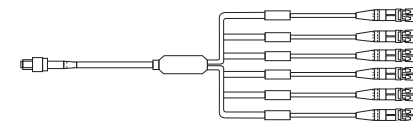


Existing



400G-FR8
 400G-LR8
 800G-FR4*

A



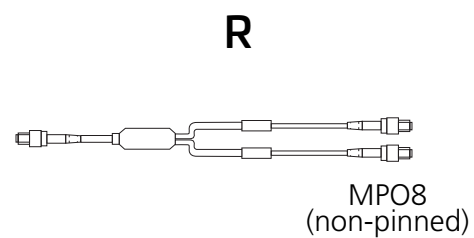
MPO12 (non-pinned) to 6 x LC-duplex cord, ULL	
Fiber type	Part number
OS2	UQGMPLUUD

*Applications on the Ethernet roadmap

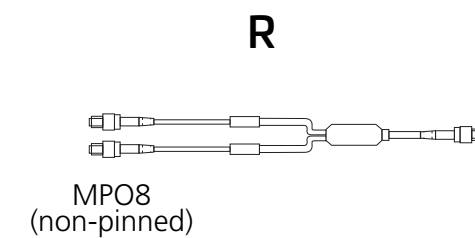
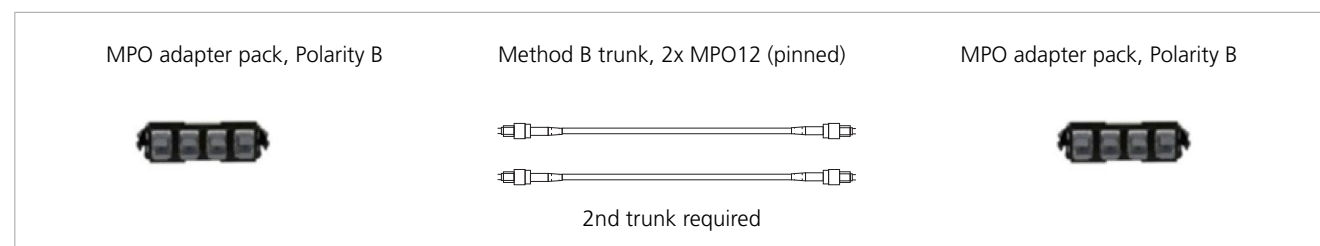
Connection to
800G-DR8*
1600G-DR8*

Maximum channel lengths	
DR8	500 m

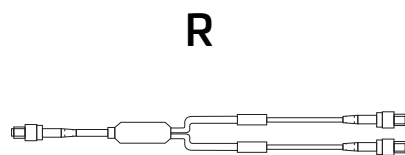
800G-DR8*
1600G-DR8*



Existing



800G-DR8*
1600G-DR8*



MPO16 (non-pinned) APC to 2x MPO8 (non-pinned) APC cord	
Fiber type	Part number
OS2	UQGRPQP7R

*Applications on the Ethernet roadmap

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