

CORNING

ARISTA



40G, 100G, 400G and 800G Cabling Reference Guide

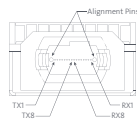
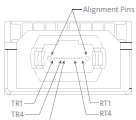
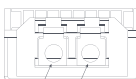
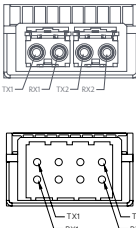
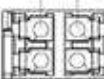
This document will serve as a guide to select the best Corning Optical Communications bill-of-materials (BOM) for your structured cabling application (scenario).

Arista transceiver connector types:

This cabling guide provides the component information necessary to work with 40G, 100G, and 400G transceivers and breakout options within the same rack or row and across the data center scenarios. Arista optical transceiver modules have different connector types (see Arista Transceiver and Cable Guide).

With the introduction of 400G, new form factors have been released, including multimode 16-F MPO angled and single-mode CS[®] and SN[®] connectors. Corning's EDGE8[®] solution is designed to support both single-mode and multimode optical interfaces based on the use of two, eight, and 16 fibers.

The following is a partial list of Arista transceivers by connector type:

MPO-16 Angled	MPO-8/12	LC Duplex	CS and SN	Twin MPO-8/12 APC Interface (OSFP/QSFP-DD)	LC Duplex UPC Interface (OSFP/QSFP-DD)
Multimode QDD-400G-SR8 OSFP-400G-SR8	Single-Mode OSFP-400G-DR4 QDD-400G-DR4 QSFP-100G-PSM4 QSFP-40G-PLR4 Multimode QDD-400G-VSR4 QDD-400G-SRBD QSFP-100G-SR4 QSFP-40G-SR4	Single-Mode OSFP-400G-FR4 QDD-400G-FR4 QSFP-100G-CWDM4 QSFP-100G-LR4 QSFP-100G-ERL4 QSFP-100G-DR QSFP-100G-FR QSFP-100G-LR QSFP-40G-LR4 QSFP-40G-ER4 SFP-25G-LR SFP-10G-LR SFP-10G-ER SFP-10G-ZR SFP-10G-DWDM Multimode QSFP-100G-SRBD QSFP-100G-SWDM4 QSFP-40G-SRBD QSFP-40G-UNIV SFP-25G-SR SFP-10G-SR	CN: Single-mode OSFP-400G-2FR4 SN: Single-mode OSFP-400G-XDR4-S QDD-400G-XDR4-S OSFP-400G-PLR4-S QDD-400G-PLR4-S	Single-mode QDD-800G-2XDR4 QDD-800G-2PLR4 OSFP-800G-2XDR4 OSFP-800G-2PLR4 Multimode QDD-800G-2VSR4 OSFP-800G-2VSR4	Single-mode QDD-800G-2FR4 QDD-800G-2LR4 OSFP-800G-2FR4 OSFP-800G-2LR4
					

Note: Single-mode fiber type: Corning[®] SMF-28[®] Ultra Optical Fiber
Multimode fiber type: Corning[®] ClearCurve[®] OM4

To review a more comprehensive list of transceiver breakout options, please refer to each cabling scenario or visit arista.com

Scenario 1:

MPO-8/12 to MPO-8/12 Local

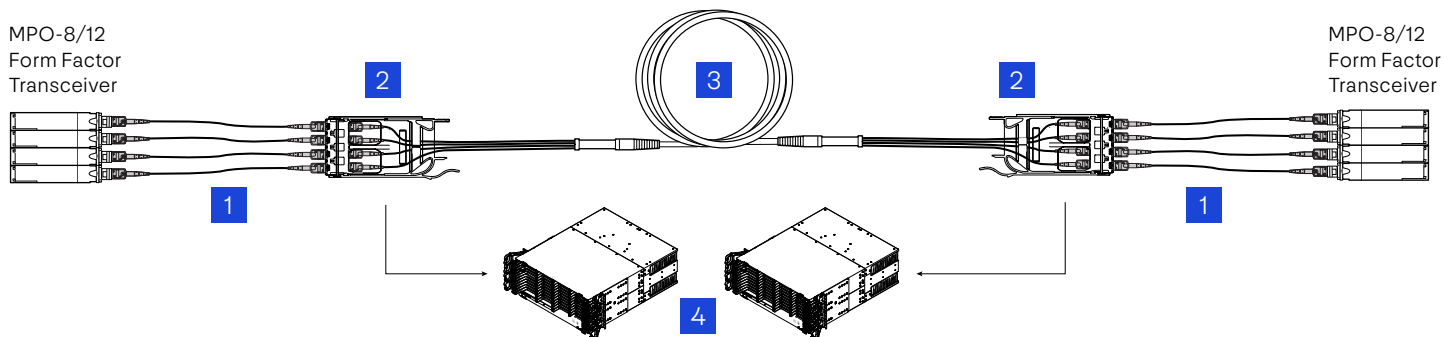


Item	OS2 Part Number (Americas)	OS2 Part Number (EMEA and APJ)	OM4 Part Number (Americas)	OM4 Part Number (EMEA and APJ)	Description
1	JE8E808GE8-NBxxxF	JE8E808GEZ-NBxxxM	JE6E608QE8-NBxxxF	JE6E608QEZ-NBxxxM	EDGE8®, 8-F Jumper, MTP® (unpinned) to MTP (unpinned), Type-B polarity, xxxF (feet) or xxxM (meters)

Note: Americas uses plenum cable and EMEA/APJ uses LSZH™/CPR Rated cable.
Lengths in meters are also available for the Americas.

Scenario 2:

MPO-8/12 to MPO-8/12 Across DC with Trunk



Item	OS2 Part Number (Americas)	OS2 Part Number (EMEA and APJ)	OM4 Part Number (Americas)	OM4 Part Number (EMEA and APJ)	Description
1	JE8E808GE8-NBxxxF	JE8E808GEZ-NBxxxM	JE6E608QE8-NBxxxF	JE6E608QEZ-NBxxxM	EDGE8®, MTP® (non-pinned) to MTP (non-pinned) 8-F Jumper, TIA-568 Type-B polarity, xxxF (feet) or xxxM (meters)
2	EDGE8-CP32-V1	EDGE8-CP32-V1	EDGE8-CP32-V3	EDGE8-CP32-V3	EDGE8 32-F MTP Adapter Panel, (4-port)
3	GE7E732GPNDUxxxF*	GE7E732GLZDDUxxxM*	GE5E532QPNDUxxxF*	GE5E532QLZDDUxxxM*	EDGE8, MTP Trunk, 32 F, MTP (pinned) to MTP (pinned), 33-in (840-mm) legs, Type-B polarity, pulling grip on first end only, xxxF (feet) or xxxM (meters)
4	EDGE8-xxU	EDGE8-xxU	EDGE8-xxU	EDGE8-xxU	Please refer to Annex 1 to choose the best option for your application

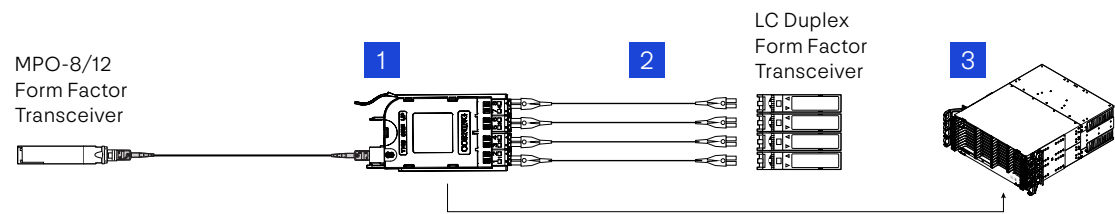
Note: Americas uses plenum cable and EMEA/APJ uses LSZH™/CPR Rated cable.

*Trunks are available in fiber counts of 8 to 288 fibers or higher.

Lengths in meters are also available for the Americas.

Scenario 3:

MPO-8/12 to LC Duplex Local

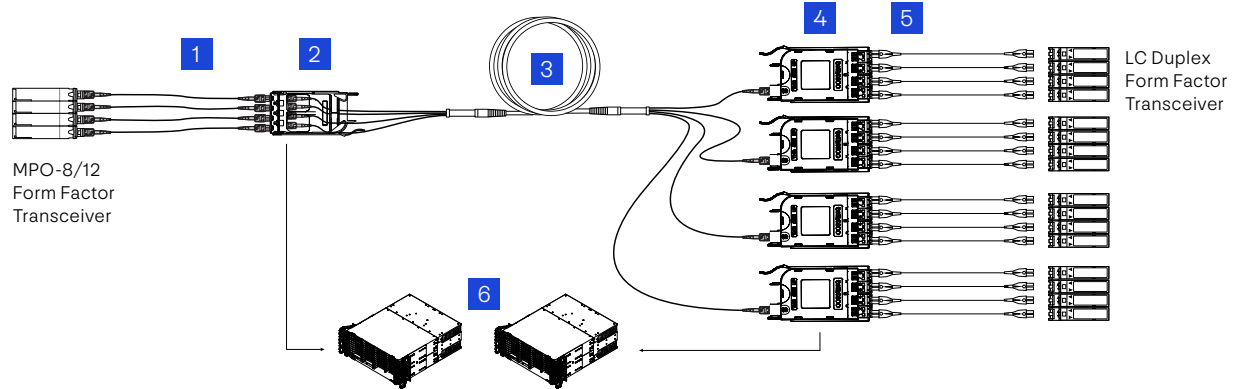


Item	OS2 Part Number (Americas)	OS2 Part Number (EMEA and APJ)	OM4 Part Number (Americas)	OM4 Part Number (EMEA and APJ)	Description
1	ECM8-04E8-GE8B-xxxF*	ECM8-04E8-GEZB-xxxM*	ECM8-05E6-QE8B-xxxF*	ECM8-05E6-QEZB-xxxM	EDGE8® Port Breakout Module, LC Duplex to MTP® (unpinned), 8 F, universal polarity, xxxF (feet) or xxxM (meters)*
2	787802GD120xxxF	E787802GNZ20xxxM	797902QD120xxxF	E797902QNZ20xxxM	EDGE™ LC Uniboot to LC Uniboot Duplex Jumper, 2.0 mm cable, xxxF (feet) or xxxM (meters)
3	EDGE8-xxU	EDGE8-xxU	EDGE8-xxU	EDGE8-xxU	Please refer to Annex 1 to choose the best option for your application

Note: Americas uses plenum/riser cable and EMEA/APJ uses LSZH™/CPR Rated cable.
 *The EDGE8 port breakout module has a tail length of maximum 75 ft (25 m).
 Lengths in meters are also available for the Americas.

Scenario 4:

MPO-8/12 to LC Duplex Across DC with Trunk



Item	OS2 Part Number (Americas)	OS2 Part Number (EMEA and APJ)	OM4 Part Number (Americas)	OM4 Part Number (EMEA and APJ)	Description
1	JE8E808GE8-NAxxxF	JE8E808GEZ-NAxxXM	JE6E608QE8-NAxxxF	JE6E608QEZ-NAxxXM	EDGE8®, 8-F Jumper, MTP® (unpinned) to MTP (unpinned), Type-A polarity, xxxF (feet) or xxxM (meters)
2	EDGE8-CP32-V1	EDGE8-CP32-V1	EDGE8-CP32-V3	EDGE8-CP32-V3	EDGE8 4-Port MTP Connector Panel
3	GE7E732GPNDUxxxF*	GE7E732GLZDDUxxXM*	GE5E532QPNDDUxxxF*	GE5E532QLZDDUxxXM*	EDGE8, MTP Trunk, 32 F, MTP (pinned) to MTP (pinned), 33-in (840-mm) legs, Type-B polarity, pulling grip on first end only, xxxF (feet) or xxxM (meters)
4	ECM8-UM08-04-E8G-ULL	ECM8-UM08-04-E8G-ULL	ECM8-UM08-05-E6Q-ULL	ECM8-UM08-05-E6Q-ULL	EDGE8 Ultra-Low-Loss Module, LC Duplex to MTP (unpinned), 8 F, universal polarity
5	787802GD120xxxF	E787802GNZ20xxXM	797902QD120xxxF	E797902QNZ20xxXM	EDGE™ LC Uniboot to LC Uniboot Duplex Jumper, 2.0 mm cable, xxxF (feet) or xxxM (meters)
6	EDGE8-xxU	EDGE8-xxU	EDGE8-xxU	EDGE8-xxU	Please refer to Annex 1 to choose the best option for your application

Note: Americas uses plenum/riser cable and EMEA/APJ uses LSZH™/CPR Rated cable.

*Trunks available in fiber counts of 8 to 288 fibers or higher.

Lengths in meters are also available for the Americas.

Scenario 5:

MPO-16 Angled to MPO-16 Angled Local

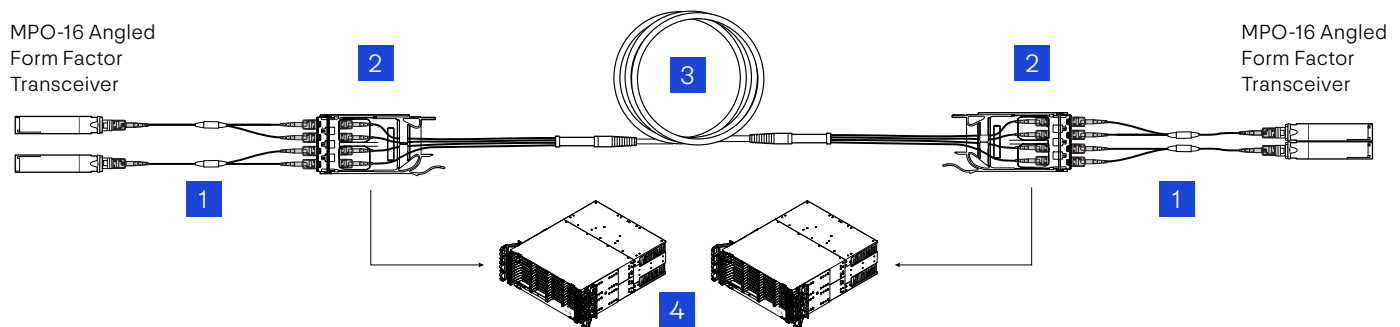


Item	OM4 Part Number (Americas)	OM4 Part Number (EMEA and APJ)	Description
1	JC3C316QPH-NBxxxF	JC3C316QLZ-NBxxXM	16-F Jumper, MTP®-16 Angled (unpinned) to MTP-16 Angled (unpinned), Type-B polarity, xxxF (feet) or xxxM (meters)

Note: Americas uses plenum cable and EMEA/APJ uses LSZH™/CPR Rated cable.
Lengths in meters are also available for the Americas.

Scenario 6:

MPO-16 Angled to MPO-16 Angled Across DC with Trunk



Item	OM4 Part Number (Americas)	OM4 Part Number (EMEA and APJ)	Description
1	HC3E616QPH-LBxxxF	HC3E616QLZ-LBxxXM	16-F Y-Harness, MTP®-16 Angled (unpinned) to two 8-F (unpinned) MTPs, 36-in (910-mm) breakout leg length, Type-B polarity, xxxF (feet) or xxxM (meters)
2	EDGE8-CP32-V3	EDGE8-CP32-V3	EDGE8® 32-F MTP Adapter MM/OM4 Panel, 4-port
3	GE5E532QPNDUxxxF*	GE5E532QLZDDUxxXM*	EDGE8, MTP Trunk, 32 F, MTP (pinned) to MTP (pinned), 33-in (840-mm) legs, Type-B polarity, pulling grip on first end only, xxxF (feet) or xxxM (meters)
4	EDGE8-xxU	EDGE8-xxU	Please refer to Annex 1 to choose the best option for your application

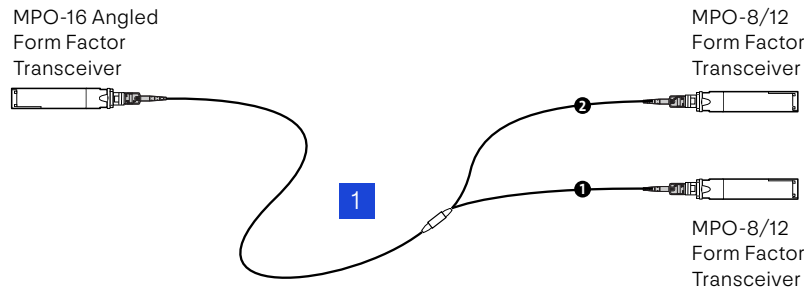
Note: Americas uses plenum cable and EMEA/APJ uses LSZH™/CPR Rated cable

*Trunks available in fiber counts of 8 to 288 fibers or higher.

Lengths in meters are also available for the Americas.

Scenario 7:

MPO-16 Angled to MPO-8/12 Local

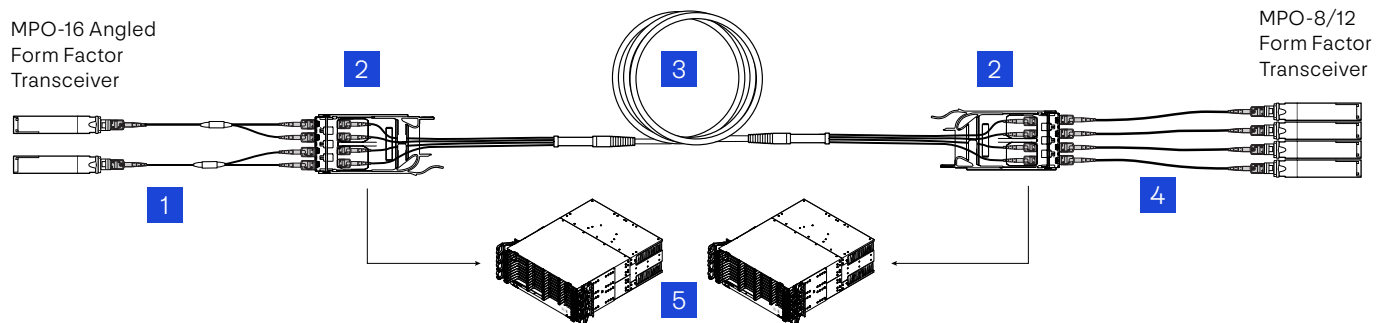


Item	OM4 Part Number (Americas)	OM4 Part Number (EMEA and APJ)	Description
1	HC3E616QPH-LBxxxF	HC3E616QLZ-LBxxxM	16-F Y-Harness, MTP®-16 Angled (unpinned) to two 8-F (unpinned) MTPs, 36-in (910-mm) breakout leg length, Type-B polarity, xxxF (feet) or xxxM (meters)

Note: Americas uses plenum cable and EMEA/APJ uses LSZH™/CPR Rated cable.
Lengths in meters are also available for the Americas.

Scenario 8:

MPO-16 Angled to MPO-8/12 Across DC with Trunk



Item	OM4 Part Number (Americas)	OM4 Part Number (EMEA and APJ)	Description
1	HC3E616QPH-LBxxxF	HC3E616QLZ-LBxxxM	16-F Y-Harness, MTP®-16 Angled (unpinned) to two 8-F (unpinned) MTPs, 36-in (910-mm) breakout leg length, Type-B polarity, xxxF (feet) or xxxM (meters)
2	EDGE8-CP32-V3	EDGE8-CP32-V3	EDGE8® 32-F MTP Adapter MM/OM4 Panel, 4-port
3	GE5E532QPNDUxxxF*	GE5E532QLZDDUxxxM*	EDGE8, MTP Trunk, 32 F, MTP (pinned) to MTP (pinned), 33-in (840-mm) legs, Type-B polarity, pulling grip on first end only, xxxF (feet) or xxxM (meters)
4	JE6E608QE8-NBxxxF	JE6E608QE8-NBxxxM	EDGE8, 8 F Jumper, MTP (unpinned) to MTP (unpinned), Type-B polarity, xxxF (feet) or xxxM (meters)
5	EDGE8-xxU	EDGE8-xxU	Please refer to Annex 1 to choose the best option for your application

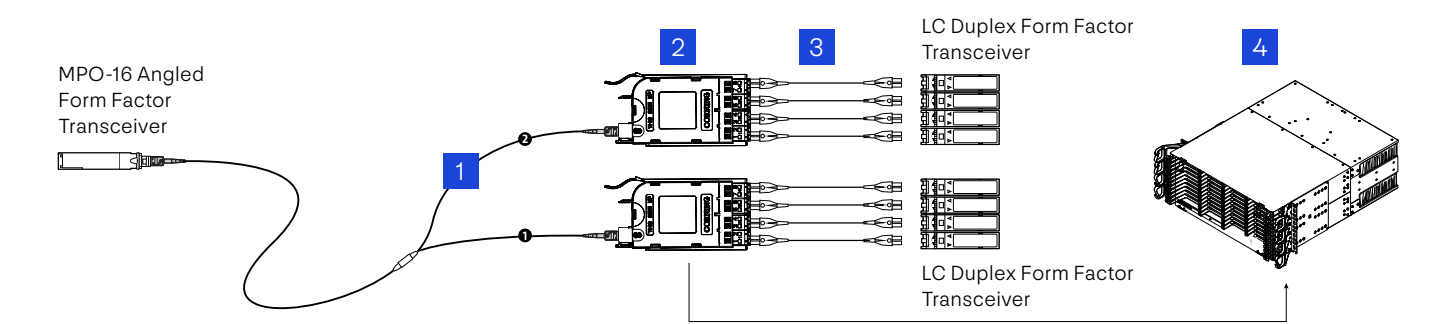
Note: Americas uses plenum cable and EMEA/APJ uses LSZH™/CPR Rated cable.

*Trunks available in fiber counts of 8 to 288 fibers or higher.

Lengths in meters are also available for the Americas.

Scenario 9:

MPO-16 Angled to LC Duplex Local

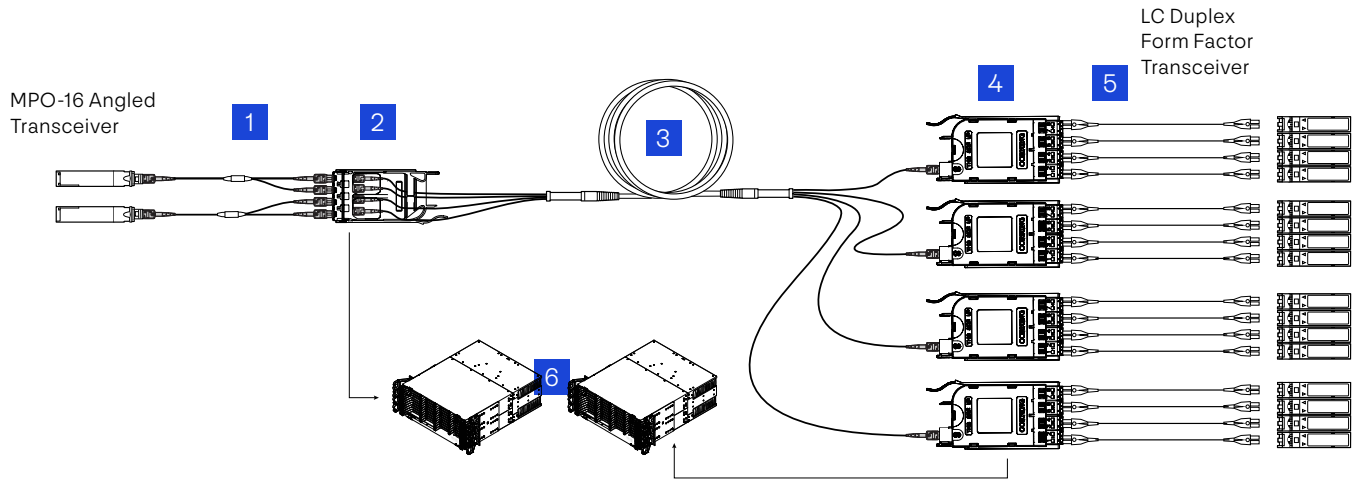


Item	OM4 Part Number (Americas)	OM4 Part Number (EMEA and APJ)	Description
1	HC3E516QPH-LBxxxF	HC3E516QLZ-LBxxXM	16-F Y-Harness, MTP®-16 Angled (unpinned) to two 8-F (pinned) MTPs, 36-in (910-mm) breakout leg length, Type-B polarity, xxxF (feet) or xxxM (meters)
2	ECM8-UM08-05-E6Q-ULL	ECM8-UM08-05-E6Q-ULL	EDGE8® Ultra-Low-Loss Module, LC Duplex to MTP (unpinned), 8 F, universal polarity
3	797902QD120xxxF	E797902QNZ20xxXM	EDGE™ LC PC Uniboot to LC PC Uniboot Duplex Jumper, 2.0 mm cable, xxxF (feet) or xxxM (meters)
4	EDGE8-xxU	EDGE8-xxU	Please refer to Annex 1 to choose the best option for your application

Note: Americas uses plenum/riser cable and EMEA/APJ uses LSZH™/CPR Rated cable.
 Lengths in meters are also available for the Americas.

Scenario 10:

MPO-16 Angled to LC Duplex Across DC with Trunk



Item	OM4 Part Number (Americas)	OM4 Part Number (EMEA and APJ)	Description
1	HC3E616QPH-LAxxxF	HC3E616QLZ-LAxxXM	16-F Y-Harness, MTP®-16 Angled (unpinned) to two 8-F (unpinned) MTPs, 36-in (910-mm) breakout leg length, Type-A polarity, xxxF (feet) or xxxM (meters)
2	EDGE8-CP32-V3	EDGE8-CP32-V3	EDGE8® 32-F MTP Adapter MM/OM4 Panel, 4-port
3	GE5E532QPNDUxxxF*	GE5E532QLZDDUxxXM*	EDGE8, MTP Trunk, 32 F, MTP (pinned) to MTP (pinned), 33-in (840-mm) legs, Type-B polarity, pulling grip on first end only, xxxF (feet) or xxxM (meters)
4	ECM8-UM08-05-E6Q-ULL	ECM8-UM08-05-E6Q-ULL	EDGE8 Ultra-Low-Loss Module, LC Duplex to MTP (unpinned), 8 F, universal polarity
5	797902QD120xxxF	E797902QNZ20xxXM	EDGE™ LC PC Uniboot to LC PC Uniboot Duplex Jumper, 2.0 mm cable, xxxF (feet) or xxxM (meters)
6	EDGE8-xxU	EDGE8-xxU	Please refer to Annex 1 to choose the best option for your application

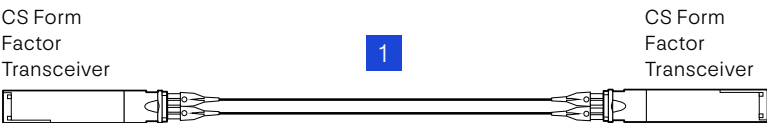
Note: Americas uses plenum/riser cable and EMEA/APJ uses LSZH™/CPR Rated cable.

*Trunks available in fiber counts of 8 to 288 fibers or higher.

Lengths in meters are also available for the Americas.

Scenario 11:

CS® to CS Local

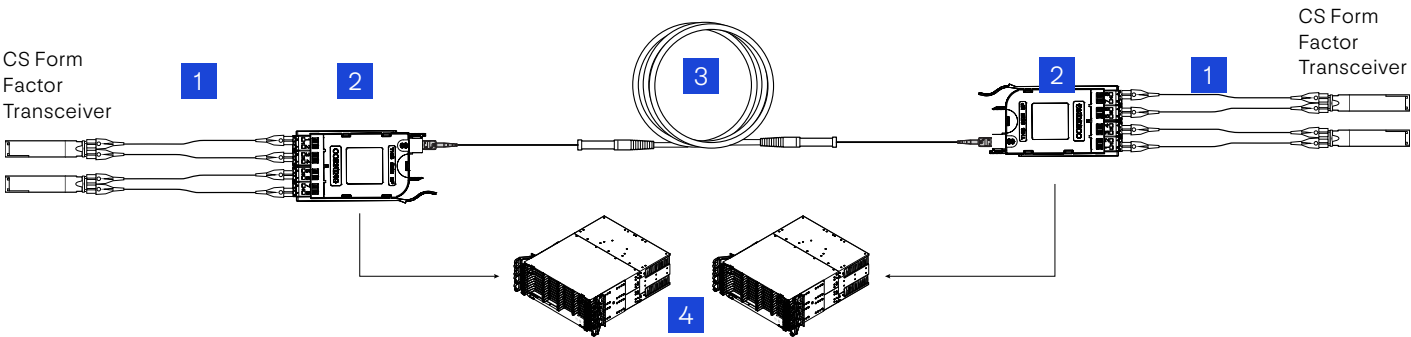


Item	OS2 Part Number (Americas)	OS2 Part Number (EMEA and APJ)	Description
1	CUCU02GD120xxxF	ECUCU02GNZ20xxxM	2-F Jumper, Duplex CS UPC to Duplex CS UPC, 2.0 mm cable, xxxF (feet) or xxxM (meters)

Note: Americas uses riser cable and EMEA/APJ uses LSZH™/CPR Rated cable.
Lengths in meters are also available for the Americas.

Scenario 12:

CS® to CS Across DC with Trunk



Item	OS2 Part Number (Americas)	OS2 Part Number (EMEA and APJ)	Description
1	78CU02GD120xxxF	E78CU02GNZ20xxxM	2-F Jumper, Duplex CS UPC to LC UPC Uniboot Duplex, 2.0 mm cable, xxxF (feet) or xxxM (meters)
2	ECM8-UM08-04-E8G-ULL	ECM8-UM08-04-E8G-ULL	EDGE8® Ultra-Low-Loss Module, LC duplex to MTP® (unpinned), 8 F, universal polarity
3	GE7E708GPNDUxxxF*	GE7E708GLZDDUxxxM*	EDGE8, MTP Trunk, 8 F, MTP (pinned) to MTP (pinned), 33-in (840-mm) legs, Type-B polarity, pulling grip on first end only, xxxF (feet) or xxxM (meters)
4	EDGE8-xxU	EDGE8-xxU	Please refer to Annex 1 to choose the best option for your application

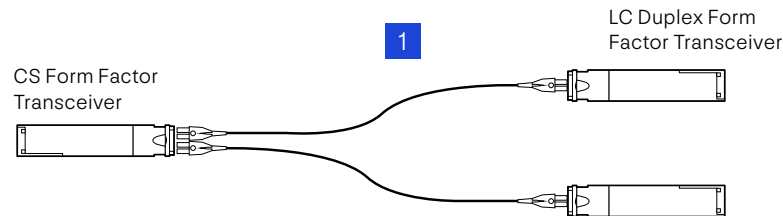
Note: Americas uses plenum/riser cable and EMEA/APJ uses LSZH™/CPR Rated cable.

*Trunks available in fiber counts of 8 to 288 fibers or higher.

Lengths in meters are also available for the Americas.

Scenario 13:

CS® to LC Duplex Local

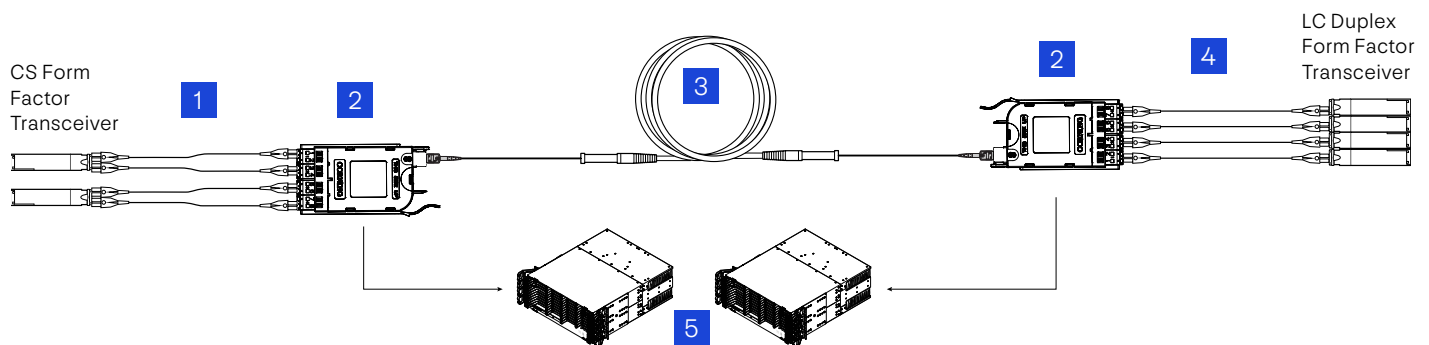


Item	OS2 Part Number (Americas)	OS2 Part Number (EMEA and APJ)	Description
1	78CU02GD120xxxF	E78CU02GNZ20xxxM	2-F Jumper, Duplex CS UPC to LC UPC Uniboot Duplex, 2.0 mm cable, xxxF (feet) or xxxM (meters)

Note: Americas uses riser cable and EMEA/APJ uses LSZH™/CPR Rated cable.
Lengths in meters are also available for the Americas.

Scenario 14:

CS® to LC Duplex Across DC with Trunk



Item	OS2 Part Number (Americas)	OS2 Part Number (EMEA and APJ)	Description
1	78CU02GD120xxxF	E78CU02GNZ20xxxM	2-F Jumper, Duplex CS UPC to LC UPC Uniboot Duplex, 2.0 mm cable, xxxF (feet) or xxxM (meters)
2	ECM8-UM08-04-E8G-ULL	ECM8-UM08-04-E8G-ULL	EDGE8® Ultra-Low-Loss Module, LC Duplex to MTP® (unpinned), 8 F, universal polarity
3	GE7E708GPNDUxxxF*	GE7E708GLZDDUxxxM*	EDGE8, MTP Trunk, 8 F, MTP (pinned) to MTP (pinned), 33-in (840-mm) legs, Type-B polarity, pulling grip on first end only, xxxF (feet) or xxxM (meters)
4	787802GD120xxxF	E787802GNZ20xxxM	EDGE™ LC UPC Uniboot to LC UPC Uniboot Duplex Jumper, 2.0 mm cable, xxxF (feet) or xxxM (meters)
5	EDGE8-xxU	EDGE8-xxU	Please refer to Annex 1 to choose the best option for your application

Note: Americas uses plenum/riser cable and EMEA/APJ uses LSZH™/CPR Rated cable.

*Trunks available in fiber counts of 8 to 288 fibers or higher.

Lengths in meters are also available for the Americas.

Scenario 15:

SN[®] to SN Local

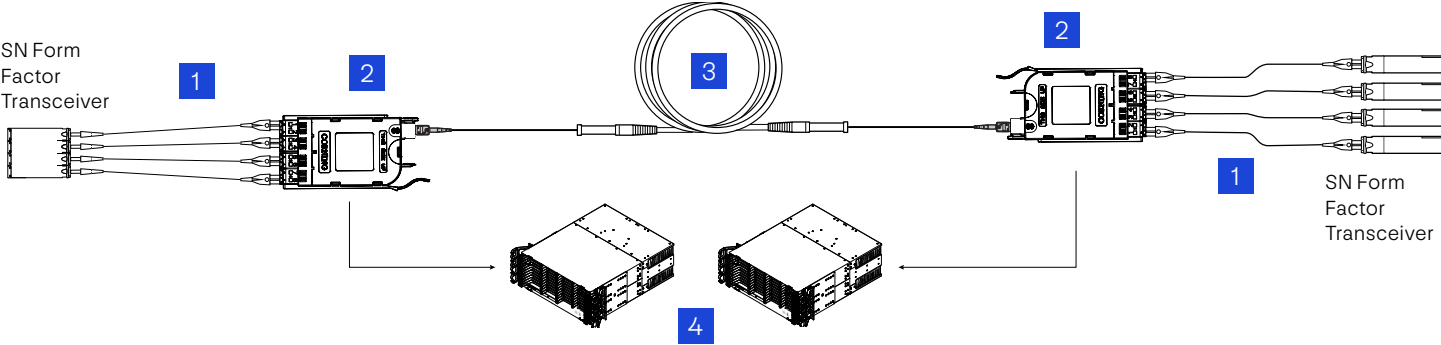


Item	OS2 Part Number (Americas)	OS2 Part Number (EMEA and APJ)	Description
1	NUNU02GD116xxxF	ENUNU02GNZ16xxxM	2-F Jumper, Duplex SN UPC to SN UPC , 1.6 mm cable, xxxF (feet) or xxxM (meters)

Note: Americas uses riser cable and EMEA/APJ uses LSZH™/CPR Rated cable.
Lengths in meters are also available for the Americas.

Scenario 16:

SN[®] to SN Across the Data Center

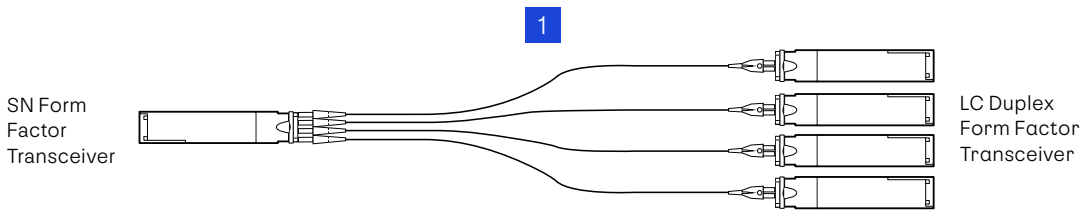


Item	OS2 Part Number (Americas)	OS2 Part Number (EMEA and APJ)	Description
1	78NU02GD116xxxF	E78NU02GNZ16xxxM	2-F Jumper, SN UPC to LC Uniboot UPC Duplex Jumper, 1.6 mm cable, xxxF (feet) or xxxM (meters)
2	ECM8-UM08-04-E8G-ULL	ECM8-UM08-04-E8G-ULL	EDGE8 [®] Ultra-Low-Loss Module, LC Duplex to MTP [®] (unpinned), 8 F, universal polarity
3	GE7E708GPNDUxxxF*	GE7E708GLZDDUxxxM*	EDGE8, MTP Trunk, 8 F, MTP (pinned) to MTP (pinned), 33-in (840-mm) legs, Type-B polarity, pulling grip on first end only, xxxF (feet) or xxxM (meters)
4	EDGE8-xxU	EDGE8-xxU	Please refer to Annex 1 to choose the best option for your application

Note: Americas uses plenum/riser cable and EMEA/APJ uses LSZH™/CPR Rated cable.
*Trunks available in fiber counts of 8 to 288 fibers or higher.
Lengths in meters are also available for the Americas.

Scenario 17:

SN[®] to LC Duplex Local

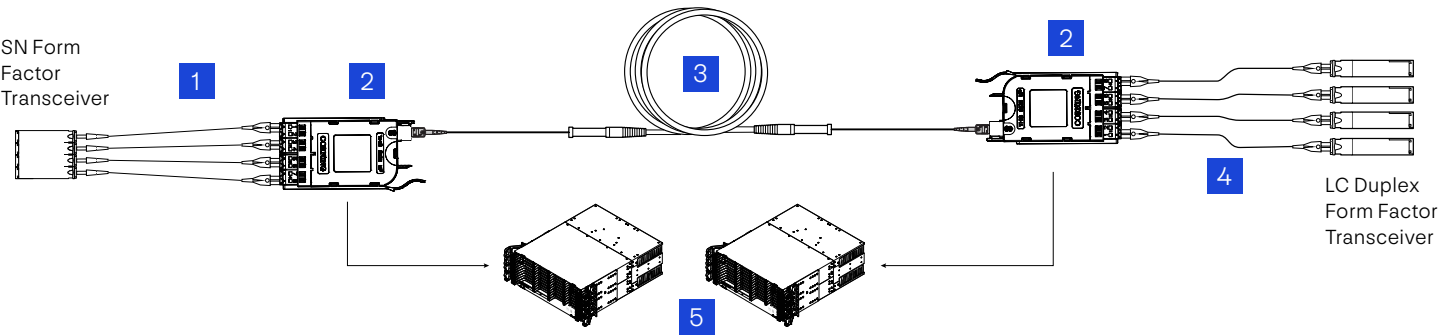


Item	OS2 Part Number (Americas)	OS2 Part Number (EMEA and APJ)	Description
1	78NU02GD116xxxF	E78NU02GNZ16xxxM	2-F Jumper, SN UPC to LC Uniboot UPC Duplex Jumper, 1.6 mm cable, xxxF (feet) or xxxM (meters)

Note: Americas uses riser cable and EMEA/APJ uses LSZH™/CPR Rated cable.
Lengths in meters are also available for the Americas.

Scenario 18:

SN[®] to LC Duplex Across the Data Center

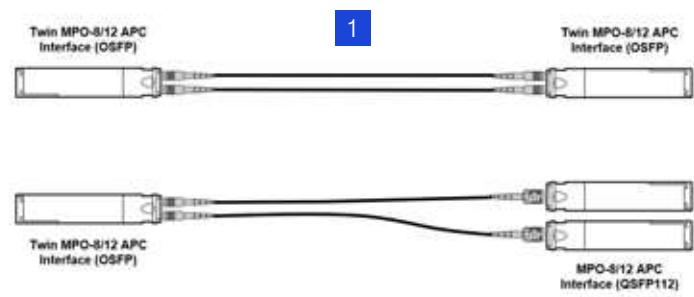


Item	OS2 Part Number (Americas)	OS2 Part Number (EMEA and APJ)	Description
1	78NU02GD116xxxF	E78NU02GNZ16xxxM	2-F Jumper, SN UPC to LC Uniboot UPC Duplex Jumper, 1.6 mm cable, xxxF (feet) or xxxM (meters)
2	ECM8-UM08-04-E8G-ULL	ECM8-UM08-04-E8G-ULL	EDGE8 [®] Ultra-Low-Loss Module, LC Duplex to MTP [®] (unpinned), 8 F, universal polarity
3	GE7E708GPNDUxxxF*	GE7E708GLZDDUxxxM*	EDGE8, MTP Trunk, 8 F, MTP (pinned) to MTP (pinned), 33-in (840-mm) legs, Type-B polarity, pulling grip on first end only, xxxF (feet) or xxxM (meters)
4	787802GD120xxxF	E787802GNZ20xxxM	EDGE [™] LC UPC Uniboot to LC UPC Uniboot Duplex Jumper, 2.0 mm cable, xxxF (feet) or xxxM (meters)
5	EDGE8-xxU	EDGE8-xxU	Please refer to Annex 1 to choose the best option for your application

Note: Americas uses plenum/riser cable and EMEA/APJ uses LSZH™/CPR Rated cable.
*Trunks available in fiber counts of 8 to 288 fibers or higher.
Lengths in meters are also available for the Americas.

Scenario 19:

800G and 400G – Local



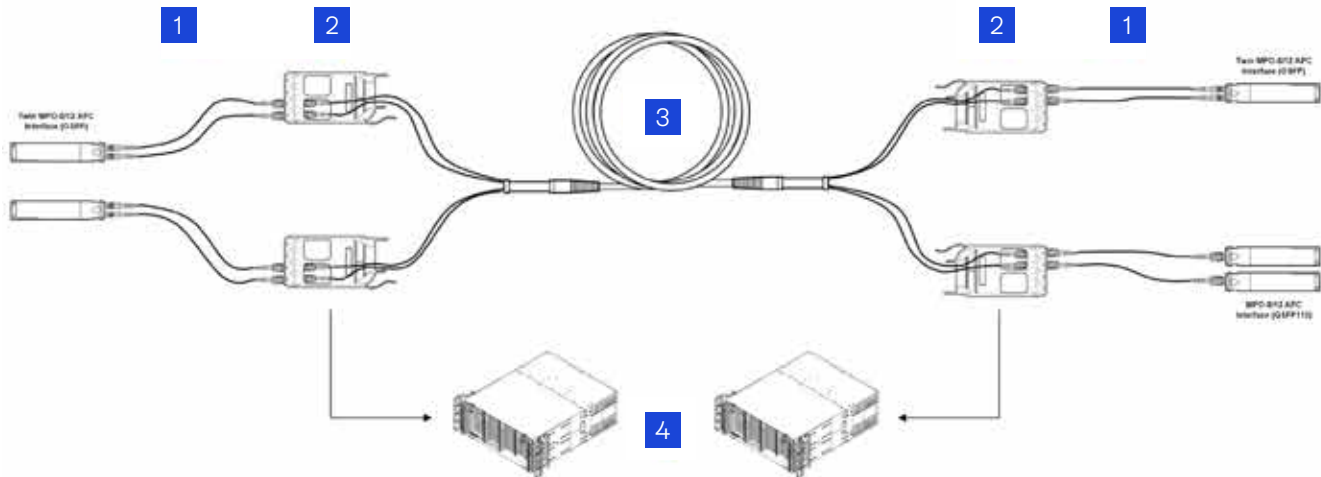
Item	OS2 Part Number (Americas)	OS2 Part Number (EMEA and APJ)	Description
1	JE8E8GE8-NBxxxm	JE8E808GEZ-NBxxxm	EDGE8®, 8-F Jumper, MTP® APC (unpinned) to MTP APC (unpinned), Type-B polarity, xxxF (feet) or xxxM (meters)

Item	OM4 Part Number (Americas)	OM4 Part Number (EMEA and APJ)	Description
1	JE9E908QE8-NBxxxF	JE9E908QEZNBxxxM	EDGE8®, MTP® APC (non-pinned) to MTP APC (non-pinned) 8-F Jumper, TIA-568 Type-B polarity, xxxF (feet) or xxxM (meters)

Note: Corning cables in the Americas use Plenum cable, while EMEA/APJ uses LSZH™/CPR rated cable. Single jumper lengths are available from 1 to 300 meters. Bundled jumpers use a meshed sleeve. Bundled lengths are available from 10 to 300 meters (furcation-to-furcation) in increments of 5 meters. Bundles are available in 16, 32 legs, and custom leg quantities with straight or staggered legs. Lengths in meters are also available for the Americas.

Scenario 20:

800G and 400G – Across DC with Trunk



Item	OM4 Part Number (Americas)	OM4 Part Number (EMEA and APJ)	Description
1	JE9E908QE8-NBxxxF	JE9E908QEZNBBxxXM	EDGE8®, MTP® APC (non-pinned) to MTP APC (non-pinned) 8-F Jumper, TIA-568 Type-B polarity, xxxF (feet) or xxxM (meters)
2	EDGE8-CP32-V3	EDGE8-CP32-V3	EDGE8 32-F MTP Adapter Panel, (4-port)
3	GE2E2E4QPNDUxxxF*	GE2E2E4QLZDDUxxXM*	EDGE8, MTP Trunk , 144-F, MTP APC (pinned) to MTP APC (pinned), 33-in (840-mm) legs, Type-B polarity, pulling grip on first end only, xxxF (feet) or xxxM (meters)
4	EDGE8-xxU	EDGE8-xxU	Please refer to Annex 1 to choose the best option for your application

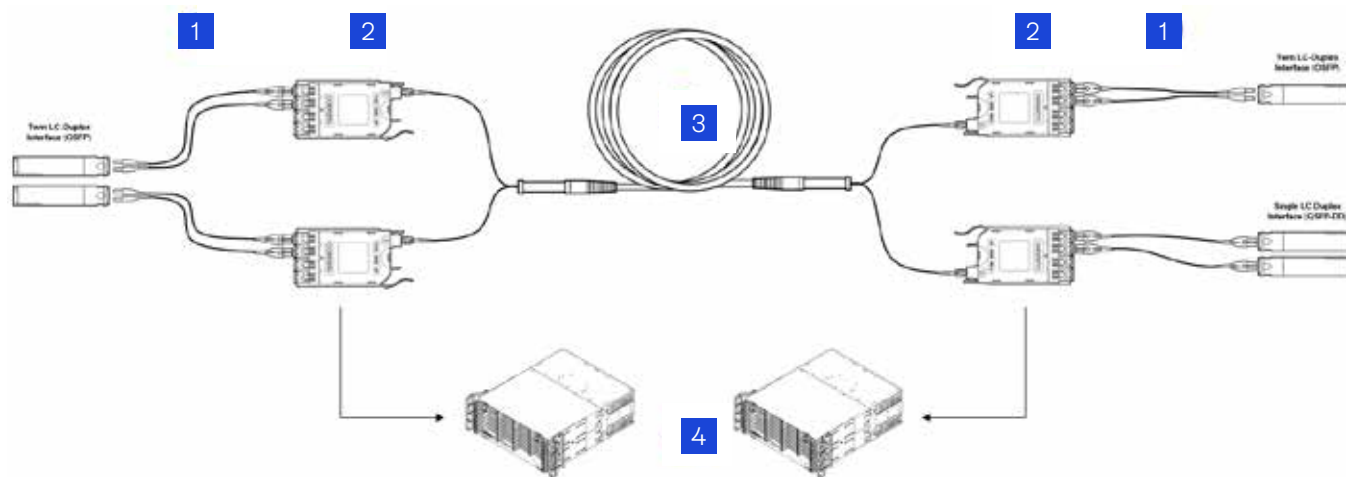
Item	OS2 Part Number (Americas)	OS2 Part Number (EMEA and APJ)	Description
1	JE9E908QE8-NBxxxF	JE9E908QEZNBBxxXM	EDGE8®, MTP® APC (non-pinned) to MTP APC (non-pinned) 8-F Jumper, TIA-568 Type-B polarity, xxxF (feet) or xxxM (meters)
2	EDGE8-CP32-V3	EDGE8-CP32-V3	EDGE8 32-F MTP Adapter Panel, (4-port)
3	GE2E2E4QPNDUxxxF*	GE2E2E4QLZDDUxxXM*	EDGE8, MTP Trunk , 144-F, MTP APC (pinned) to MTP APC (pinned), 33-in (840-mm) legs, Type-B polarity, pulling grip on first end only, xxxF (feet) or xxxM (meters)
4	EDGE8-xxU	EDGE8-xxU	Please refer to Annex 1 to choose the best option for your application

Note: Corning cables in the Americas use Plenum cable, while EMEA/APJ uses LSZH™/CPR rated cable. Single jumper lengths are available from 1 to 300 meters. Bundled jumpers use a meshed sleeve. Bundled lengths are available from 10 to 300 meters (furcation-to-furcation) in increments of 5 meters. Bundles are available in 16, 32 legs, and custom leg quantities with straight or staggered legs. Lengths in meters are also available for the Americas.

*Trunks available in fiber counts of 8 to 288 fibers or higher.

Scenario 21:

800G and 400G – Across DC with Trunk



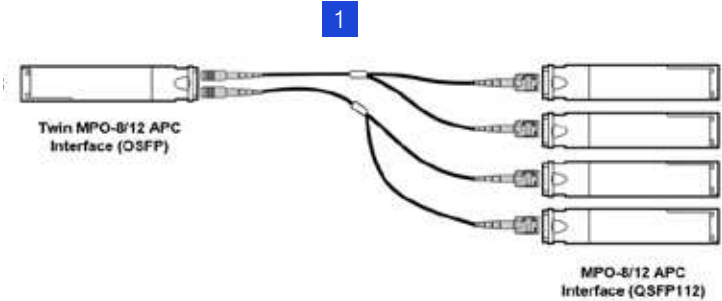
Item	OS2 Part Number (Americas)	OS2 Part Number (EMEA and APJ)	Description
1	787802GD120xxxF	E787802GNZ20xxXM	EDGE™, LC UPC Uniboosts to LC UPC Uniboot Duplex Jumper, xxxF or xxxM
2	ECM8-UM08-04-E8G-ULL	ECM8-UM08-04-E8G-ULL	EDGE8® Ultra-Low-Loss Module, LC duplex to MTP® (unpinned), 8F, universal polarity
3	GE7E7E4GPNDUxxxF*	GE7E7E4GLZDDUxxXM*	EDGE8, MTP Trunk , 144F, MTP APC (pinned) to MTP APC (pinned), 33-in (840-mm) legs, Type-B polarity, pulling grip on first end only, xxxF (feet) or xxxM (meters)
4	EDGE8-xxU	EDGE8-xxU	Please refer to Annex 1 to choose the best option for your application

Note: Corning cables in the Americas use Plenum cable, while EMEA/APJ uses LSZH™/CPR rated cable. Single jumper lengths are available from 1 to 300 meters. Bundled jumpers use a meshed sleeve. Bundled lengths are available from 10 to 300 meters (furcation-to-furcation) in increments of 5 meters. Bundles are available in 16, 32 legs, and custom leg quantities with straight or staggered legs. Lengths in meters are also available for the Americas.

*Trunks available in fiber counts of 8 to 288 fibers or higher.

Scenario 22:

800G and 200G – Local



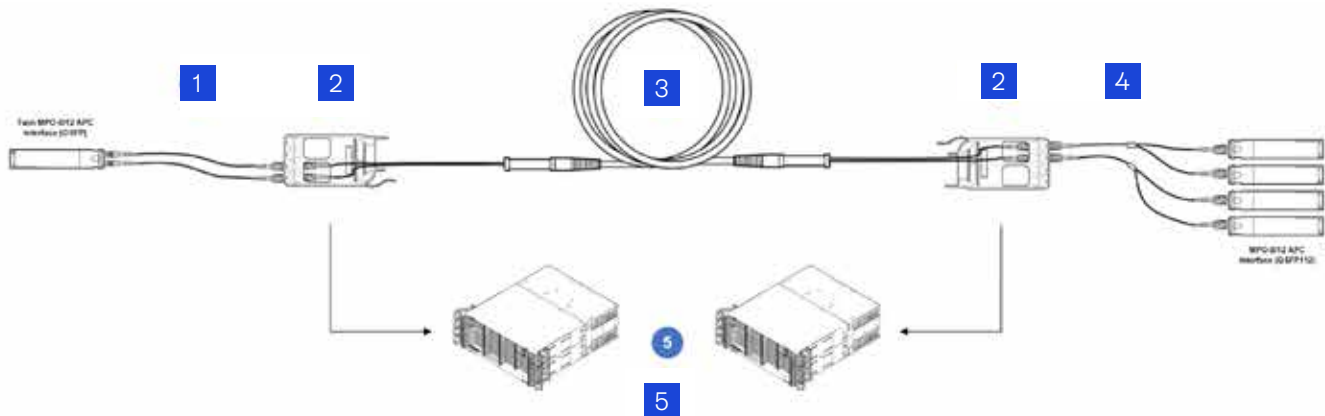
Item	OM4 Part Number (Americas)	OM4 Part Number (EMEA and APJ)	Description
1	HE9E908QPHLBxxxF	HE9E908QLZLBxxXM	EDGE8®, 8-F Y-Harness, MTP® APC (unpinned) to two 4-F (unpinned) MTP APC, 36-in (910-mm) breakout leg length, Type-B polarity, xxxF (feet) or xxxM (meters)

Item	OS2 Part Number (Americas)	OS2 Part Number (EMEA and APJ)	Description
1	HE8E808GPHLBxxxF	HE8E808GLZLBxxXM	EDGE8®, 8-F Y-Harness, MTP® APC (unpinned) to two 4-F (unpinned) MTP APC, 36-in (910-mm) breakout leg length, Type-B polarity, xxxF (feet) or xxxM (meters)

Note: Corning cables in the Americas use Plenum cable, while EMEA/APJ uses LSZH™/CPR rated cable.Y-Harness lengths available from 1 to 60 meters. Lengths in meters are also available for the Americas.

Scenario 23:

800G and 200G – Across DC with Trunk



Item	OM4 Part Number (Americas)	OM4 Part Number (EMEA and APJ)	Description
1	JE9E908QE8-NBxxxF	JE9E908QEZNBxxXM	EDGE8®, MTP® APC (non-pinned) to MTP APC (non-pinned) 8-F Jumper, TIA-568 Type-B polarity, xxxF (feet) or xxxM (meters)
2	EDGE8-CP32-V3	EDGE8-CP32-V3	EDGE8 32-F MTP Adapter Panel, (4-port)
3	GE2E2E4QPNDUxxxF*	GE2E2E4QLZDDUxxXM*	EDGE8, MTP Trunk , 144-F, MTP APC (pinned) to MTP APC (pinned), 33-in (840-mm) legs, Type-B polarity, pulling grip on first end only, xxxF (feet) or xxxM (meters)
4	HE9E908QPHLBxxxF	HE9E908QLZLBxxXM	EDGE8, 8-F Y-Harness, MTP® APC (unpinned) to two 4-F (unpinned) MTP APC, 36-in (910-mm) breakout leg length, Type-B polarity, xxxF (feet) or xxxM (meters)
5	EDGE8-xxU	EDGE8-xxU	Please refer to Annex 1 to choose the best option for your application

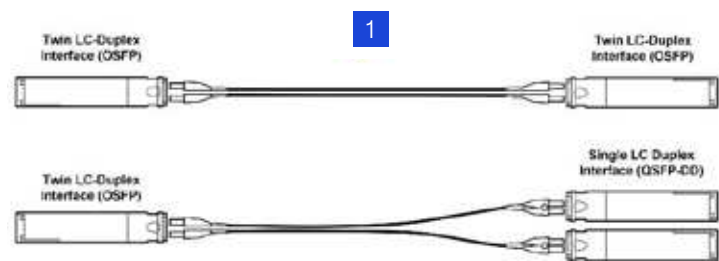
Item	OS2 Part Number (Americas)	OS2 Part Number (EMEA and APJ)	Description
1	JE8E808GE8-NBxxxF	JE8E808GEZNBxxXM	EDGE8®, MTP® APC (non-pinned) to MTP APC (non-pinned) 8-F Jumper, TIA-568 Type-B polarity, xxxF (feet) or xxxM (meters)
2	EDGE8-CP32-V1	EDGE8-CP32-V1	EDGE8 32-F MTP Adapter Panel, (4-port)
3	GE7E7E4GPNDUxxxF*	GE7E7E4GLZDDUxxXM*	EDGE8, MTP Trunk , 144-F, MTP APC (pinned) to MTP APC (pinned), 33-in (840-mm) legs, Type-B polarity, pulling grip on first end only, xxxF (feet) or xxxM (meters)
4	HE8E808GPHLBxxxF	HE8E808GLZLBxxXM	EDGE8, 8-F Y-Harness, MTP® APC (unpinned) to two 4-F (unpinned) MTP APC, 36-in (910-mm) breakout leg length, Type-B polarity, xxxF (feet) or xxxM (meters)
5	EDGE8-xxU	EDGE8-xxU	Please refer to Annex 1 to choose the best option for your application

Note: Corning cables in the Americas use Plenum cable, while EMEA/APJ uses LSZH™/CPR rated cable. Single jumper lengths are available from 1 to 300 meters. Bundled jumpers use a meshed sleeve. Bundled lengths are available from 10 to 300 meters (furcation-to-furcation) in increments of 5 meters. Bundles are available in 16, 32 legs, and custom leg quantities with straight or staggered legs. Lengths in meters are also available for the Americas.

*Trunks available in fiber counts of 8 to 288 fibers or higher.

Scenario 24:

800G and 400G – Local



Item	OS2 Part Number (Americas)	OS2 Part Number (EMEA and APJ)	Description
1	787802GD120xxxF	E787802GNZ20xxXM	EDGE™ LC UPC Uniboot to LC UPC Uniboot Duplex Jumper, xxxF or xxxM

Note: Corning cables in the Americas use Plenum cable, while EMEA/APJ uses LSZH™/CPR rated cable. Jumper lengths are available from 1 to 300 meters. Lengths in meters are also available for the Americas.

Transceiver Options and Port Breakout Connections per Scenario

Scenario 1: MPO-8/12 to MPO-8/12 Local

Near End Optic (Left)		Far End Optic (Right)		Reach
OSFP-400G-DR4	single-mode	OSFP-400G-DR4	single-mode	500 m
OSFP-400G-XDR4	single-mode	OSFP-400G-XDR4	single-mode	2 km
QDD-400G-DR4	single-mode	QDD-400G-DR4	single-mode	500 m
QDD-400G-XDR4	single-mode	QDD-400G-XDR4	single-mode	2 km
QSFP-100G-PSM4	single-mode	QSFP-100G-PSM4	single-mode	500 m
QSFP-40G-PLRL4	single-mode	QSFP-40G-PLRL4	single-mode	1 km
QSFP-40G-PLR4	single-mode	QSFP-40G-PLR4	single-mode	10 km
QDD-400G-VSR4	multimode	QDD-400G-VSR4	multimode	50 m
QDD-400G-SRBD	multimode	QDD-400G-SRBD	multimode	100 m
QSFP-100G-SR4	multimode	QSFP-100G-SR4	multimode	100 m
QSFP-100G-XSR4	multimode	QSFP-100G-XSR4	multimode	300 m
QSFP-40G-SR4	multimode	QSFP-40G-SR4	multimode	150 m
QSFP-40G-XSR4	multimode	QSFP-40G-XSR4	multimode	400 m

Scenario 2: MPO-8/12 to MPO-8/12 Across DC with Trunk

Near End Optic (Left)		Far End Optic (Right)		Reach
OSFP-400G-DR4	single-mode	OSFP-400G-DR4	single-mode	500 m
OSFP-400G-XDR4	single-mode	OSFP-400G-XDR4	single-mode	2 km
QDD-400G-DR4	single-mode	QDD-400G-DR4	single-mode	500 m
QDD-400G-XDR4	single-mode	QDD-400G-XDR4	single-mode	2 km
QSFP-100G-PSM4	single-mode	QSFP-100G-PSM4	single-mode	500 m
QSFP-40G-PLRL4	single-mode	QSFP-40G-PLRL4	single-mode	1 km
QSFP-40G-PLR4	single-mode	QSFP-40G-PLR4	single-mode	10 km
QDD-400G-VSR4	multimode	QDD-400G-VSR4	multimode	50 m
QDD-400G-SRBD	multimode	QDD-400G-SRBD	multimode	100 m
QSFP-100G-SR4	multimode	QSFP-100G-SR4	multimode	100 m
QSFP-100G-XSR4	multimode	QSFP-100G-XSR4	multimode	300 m
QSFP-40G-SR4	multimode	QSFP-40G-SR4	multimode	150 m
QSFP-40G-XSR4	multimode	QSFP-40G-XSR4	multimode	400 m

Scenario 3: MPO-8/12 to LC Duplex Local

Near End Optic (Left)		Far End Optic (Right)		Reach
OSFP-400G-DR4	single-mode	4x QSFP-100G-DR	single-mode	500 m
OSFP-400G-XDR4	single-mode	4x QSFP-100G-FR	single-mode	2 km
QDD-400G-DR4	single-mode	4x QSFP-100G-DR	single-mode	500 m
QDD-400G-XDR4	single-mode	4x QSFP-100G-FR	single-mode	2 km
QSFP-100G-PSM4	single-mode	4x SFP-25G-LR	single-mode	500 m
QSFP-40G-PLRL4	single-mode	4x SFP-10G-LRL	single-mode	1 km
QSFP-40G-PLR4	single-mode	4x SFP-10G-LR	single-mode	10 km
QDD-400G-VSR4	multimode	N/A	multimode	50 m
QDD-400G-SRBD	multimode	4x 100G-SRBD	multimode	100 m
QSFP-100G-SR4	multimode	4x SFP-25G-SR	multimode	100 m
QSFP-100G-XSR4	multimode	4x SFP-25G-SR	multimode	100 m
QSFP-40G-SR4	multimode	4x SFP-10G-SR	multimode	150 m
QSFP-40G-XSR4	multimode	4x SFP-10G-SR	multimode	150 m

Scenario 4: MPO-8/12 to LC Duplex Across DC with Trunk

Near End Optic (Left)		Far End Optic (Right)		Reach
OSFP-400G-DR4	single-mode	4x QSFP-100G-DR	single-mode	500 m
OSFP-400G-XDR4	single-mode	4x QSFP-100G-FR	single-mode	2 km
QDD-400G-DR4	single-mode	4x QSFP-100G-DR	single-mode	500 m
QDD-400G-XDR4	single-mode	4x QSFP-100G-FR	single-mode	2 km
QSFP-100G-PSM4	single-mode	4x SFP-25G-LR	single-mode	500 m
QSFP-40G-PLRL4	single-mode	4x SFP-10G-LRL	single-mode	1 km
QSFP-40G-PLR4	single-mode	4x SFP-10G-LR	single-mode	10 km
QDD-400G-VSR4	multimode	N/A	multimode	50 m
QDD-400G-SRBD	multimode	4x 100G-SRBD	multimode	100 m
QSFP-100G-SR4	multimode	4x SFP-25G-SR	multimode	100 m
QSFP-100G-XSR4	multimode	4x SFP-25G-SR	multimode	100 m
QSFP-40G-SR4	multimode	4x SFP-10G-SR	multimode	150 m
QSFP-40G-XSR4	multimode	4x SFP-10G-SR	multimode	150 m

Scenario 5: MPO-16 Angled to MPO-16 Angled Local

Near End Optic (Left)		Far End Optic (Right)		Reach
OSFP-400G-SR8	multimode	OSFP-400G-SR8	multimode	100 m
QDD-400G-SR8	multimode	QDD-400G-SR8	multimode	100 m

Scenario 6: MPO-16 Angled to MPO-16 Angled Across DC with Trunk

Near End Optic (Left)		Far End Optic (Right)		Reach
OSFP-400G-SR8	multimode	OSFP-400G-SR8	multimode	100 m
QDD-400G-SR8	multimode	QDD-400G-SR8	multimode	100 m

Scenario 7: MPO-16 Angled to MPO-8/12 Local

Near End Optic (Left)		Far End Optic (Right)		Reach
OSFP-400G-SR8	multimode	2x QSFP-200G-SR4	multimode	100 m
OSFP-400G-SR8*	multimode	2x QSFP-100G-SR4	multimode	100 m
QDD-400G-SR8	multimode	2x QSFP-200G-SR4	multimode	100 m
QDD-400G-SR8*	multimode	2x QSFP-100G-SR4	multimode	100 m

*Configured to work as 2x 100G

Scenario 8: MPO-16 Angled to MPO-8/12 Across DC with Trunk

Near End Optic (Left)		Far End Optic (Right)		Reach
OSFP-400G-SR8	multimode	2x QSFP-200G-SR4	multimode	100 m
OSFP-400G-SR8*	multimode	2x QSFP-100G-SR4	multimode	100 m
QDD-400G-SR8	multimode	2x QSFP-200G-SR4	multimode	100 m
QDD-400G-SR8*	multimode	2x QSFP-100G-SR4	multimode	100 m

*Configured to work as 2x 100G

Scenario 9: MPO-16 Angled to LC Duplex Local

Near End Optic (Left)		Far End Optic (Right)		Reach
OSFP-400G-SR8*	multimode	8x SFP-50G-SR	multimode	100 m
OSFP-400G-SR8†	multimode	8x SFP-25G-SR	multimode	100 m
QDD-400G-SR8*	multimode	8x SFP-50G-SR	multimode	100 m
QDD-400G-SR8†	multimode	8x SFP-25G-SR	multimode	100 m

*Refer to Arista 400G FAQ for supported breakout modes.

†Configured to work as 2x 100G. Refer to Arista 400G FAQ for supported breakout modes.

Scenario 10: MPO-16 Angled to LC Duplex Across DC with Trunk

Near End Optic (Left)		Far End Optic (Right)		Reach
OSFP-400G-SR8*	multimode	8x SFP-50G-SR	multimode	100 m
OSFP-400G-SR8†	multimode	8x SFP-25G-SR	multimode	100 m
QDD-400G-SR8*	multimode	8x SFP-50G-SR	multimode	100 m
QDD-400G-SR8†	multimode	8x SFP-25G-SR	multimode	100 m

*Refer to Arista 400G FAQ for supported breakout modes.

†Configured to work as 2x 100G. Refer to Arista 400G FAQ for supported breakout modes.

Scenario 11: CS® to CS Local

Near End Optic (Left)		Far End Optic (Right)		Reach
OSFP-400G-2FR4	single-mode	OSFP-400G-2FR4	single-mode	2 km

Scenario 12: CS® to CS Across DC with Trunk

Near End Optic (Left)		Far End Optic (Right)		Reach
OSFP-400G-2FR4	single-mode	OSFP-400G-2FR4	single-mode	2 km

Scenario 13: CS® to LC Duplex Local

Near End Optic (Left)		Far End Optic (Right)		Reach
OSFP-400G-2FR4	single-mode	2x QSFP-200G-FR4	single-mode	2 km
OSFP-400G-2FR4*	single-mode	2x QSFP-100G-CWDM4	single-mode	2 km

Scenario 14: CS® to LC Duplex Across DC with Trunk

Near End Optic (Left)		Far End Optic (Right)		Reach
OSFP-400G-2FR4	single-mode	2x QSFP-200G-FR4	single-mode	2 km
OSFP-400G-2FR4*	single-mode	2x QSFP-100G-CWDM4	single-mode	2 km

*Configured to work as 2x 100G

Scenario 15: SN® to SN Local

Near End Optic (Left)		Far End Optic (Right)		Reach
OSFP-400G-XDR4-S	single-mode	OSFP-400G-XDR4-S	single-mode	2 km
OSFP-400G-PLR4-S	single-mode	OSFP-400G-PLR4-S	single-mode	10 km
QDD-400G-XDR4-S	single-mode	QDD-400G-XDR4-S	single-mode	2 km
QDD-400G-PLR4-S	single-mode	QDD-400G-PLR4-S	single-mode	10 km

Scenario 16: SN® to SN Across the Data Center

Near End Optic (Left)		Far End Optic (Right)		Reach
OSFP-400G-XDR4-S	single-mode	OSFP-400G-XDR4-S	single-mode	2 km
OSFP-400G-PLR4-S	single-mode	OSFP-400G-PLR4-S	single-mode	10 km
QDD-400G-XDR4-S	single-mode	QDD-400G-XDR4-S	single-mode	2 km
QDD-400G-PLR4-S	single-mode	QDD-400G-PLR4-S	single-mode	10 km

Scenario 17: SN® to LC Duplex Local

Near End Optic (Left)		Far End Optic (Right)		Reach
OSFP-400G-XDR4-S	single-mode	4x QSFP-100G-FR	single-mode	2 km
OSFP-400G-PLR4-S	single-mode	4x QSFP-100G-LR	single-mode	10 km
QDD-400G-XDR4-S	single-mode	4x QSFP-100G-FR	single-mode	2 km
QDD-400G-PLR4-S	single-mode	4x QSFP-100G-LR	single-mode	10 km

Scenario 18: SN® to LC Duplex Across the Data Center

Near End Optic (Left)		Far End Optic (Right)		Reach
OSFP-400G-XDR4-S	single-mode	4x QSFP-100G-FR	single-mode	2 km
OSFP-400G-PLR4-S	single-mode	4x QSFP-100G-LR	single-mode	10 km
QDD-400G-XDR4-S	single-mode	4x QSFP-100G-FR	single-mode	2 km
QDD-400G-PLR4-S	single-mode	4x QSFP-100G-LR	single-mode	10 km

Scenario 19: 800G and 400G – Local

Near End Optic (Left)		Far End Optic (Right)		Reach
OSFP-800G-2XDR4	single-mode	OSFP-800G-2XDR4	single-mode	2 km
OSFP-800G-2PLR4	single-mode	OSFP-800G-2PLR4	single-mode	10 km
QDD-800G-2XDR4	single-mode	QDD-800G-2XDR4	single-mode	2 km
QDD-800G-2PLR4	single-mode	QDD-800G-2PLR4	single-mode	10 km

Near End Optic (Left)		Far End Optic (Right)		Reach
OSFP-800G-2VSR4	multimode	OSFP-800G-2VSR4	multimode	50 m
QDD-800G-2VSR4	multimode	QDD-800G-2VSR4	multimode	50 m

Near End Optic (Left)		Far End Optic (Right)		Reach
OSFP-800G-2XDR4	single-mode	OSFP-400G-DR4	single-mode	2 km
OSFP-800G-2PLR4	single-mode	OSFP-400G-DR4	single-mode	10 km
QDD-800G-2XDR4	single-mode	QDD-400G-DR4	single-mode	2 km
QDD-800G-2PLR4	single-mode	QDD-400G-DR4	single-mode	10 km

Near End Optic (Left)		Far End Optic (Right)		Reach
OSFP-800G-2VSR4	multimode	QSFP-400G-SR4	multimode	50 m
QDD-800G-2VSR4	multimode	QSFP-400G-SR4	multimode	50 m

Scenario 20: 800G and 400G – Across DC with Trunk

Near End Optic (Left)		Far End Optic (Right)		Reach
OSFP-800G-2XDR4	single-mode	OSFP-800G-2XDR4	single-mode	2 km
OSFP-800G-2PLR4	single-mode	OSFP-800G-2PLR4	single-mode	10 km
QDD-800G-2XDR4	single-mode	QDD-800G-2XDR4	single-mode	2 km
QDD-800G-2PLR4	single-mode	QDD-800G-2PLR4	single-mode	10 km

Near End Optic (Left)		Far End Optic (Right)		Reach
OSFP-800G-2VSR4	multimode	OSFP-800G-2VSR4	multimode	50 m
QDD-800G-2VSR4	multimode	QDD-800G-2VSR4	multimode	50 m

Near End Optic (Left)		Far End Optic (Right)		Reach
OSFP-800G-2XDR4	single-mode	OSFP-400G-DR4	single-mode	2 km
OSFP-800G-2PLR4	single-mode	OSFP-400G-DR4	single-mode	10 km
QDD-800G-2XDR4	single-mode	QDD-400G-DR4	single-mode	2 km
QDD-800G-2PLR4	single-mode	QDD-400G-DR4	single-mode	10 km

Near End Optic (Left)		Far End Optic (Right)		Reach
OSFP-800G-2VSR4	multimode	QSFP-400G-SR4	multimode	50 m
QDD-800G-2VSR4	multimode	QSFP-400G-SR4	multimode	50 m

Scenario 21: 800G and 400G – Across DC with Trunk

Near End Optic (Left)		Far End Optic (Right)		Reach
OSFP-800G-2FR4	single-mode	OSFP-800G-2FR4	single-mode	2 km
OSFP-800G-2LR4	single-mode	OSFP-800G-2LR4	single-mode	10 km
QDD-800G-2FR4	single-mode	QDD-800G-2FR4	single-mode	2 km
QDD-800G-2LR4	single-mode	QDD-800G-2LR4	single-mode	10 km

Near End Optic (Left)		Far End Optic (Right)		Reach
OSFP-800G-2FR4	single-mode	OSFP-400G-FR4	single-mode	2 km
OSFP-800G-2LR4	single-mode	OSFP-400G-FR4	single-mode	10 km
QDD-800G-2FR4	single-mode	QDD-400G-FR4	single-mode	2 km
QDD-800G-2LR4	single-mode	QDD-400G-FR4	single-mode	10 km

Scenario 22: 800G and 200G – Local

Near End Optic (Left)		Far End Optic (Right)		Reach
OSFP-800G-2XDR4	single-mode	QSFP-200G-FR4	single-mode	2 km
OSFP-800G-2PLR4	single-mode	QSFP-200G-FR4	single-mode	10 km
QDD-800G-2XDR4	single-mode	QSFP-200G-FR4	single-mode	2 km
QDD-800G-2PLR4	single-mode	QSFP-200G-FR4	single-mode	10 km

Near End Optic (Left)		Far End Optic (Right)		Reach
OSFP-800G-2VSR4	multimode	QSFP-200G-SR4	multimode	50 m
QDD-800G-2VSR4	multimode	QSFP-200G-SR4	multimode	50 m

Scenario 23: 800G and 200G – Across DC with Trunk

Near End Optic (Left)		Far End Optic (Right)		Reach
OSFP-800G-2XDR4	single-mode	QSFP-200G-FR4	single-mode	2 km
OSFP-800G-2PLR4	single-mode	QSFP-200G-FR4	single-mode	10 km
QDD-800G-2XDR4	single-mode	QSFP-200G-FR4	single-mode	2 km
QDD-800G-2PLR4	single-mode	QSFP-200G-FR4	single-mode	10 km

Near End Optic (Left)		Far End Optic (Right)		Reach
OSFP-800G-2VSR4	multimode	QSFP-200G-SR4	multimode	50 m
QDD-800G-2VSR4	multimode	QSFP-200G-SR4	multimode	50 m

Scenario 24: 800G and 400G – Local

Near End Optic (Left)		Far End Optic (Right)		Reach
OSFP-800G-2XDR4	single-mode	OSFP-800G-2XDR4	single-mode	2 km
OSFP-800G-2PLR4	single-mode	OSFP-800G-2PLR4	single-mode	10 km
QDD-800G-2XDR4	single-mode	QDD-800G-2XDR4	single-mode	2 km
QDD-800G-2PLR4	single-mode	QDD-800G-2PLR4	single-mode	10 km

Near End Optic (Left)		Far End Optic (Right)		Reach
OSFP-800G-2FR4	single-mode	OSFP-400G-FR4	single-mode	2 km
OSFP-800G-2LR4	single-mode	OSFP-400G-FR4	single-mode	10 km
QDD-800G-2FR4	single-mode	QDD-400G-FR4	single-mode	2 km
QDD-800G-2LR4	single-mode	QDD-400G-FR4	single-mode	10 km

Annex 1

EDGE8® HD housings mount in 19-inch racks or cabinets and provide industry-leading ultra-high-density connectivity when combined with EDGE8 modules, panels, harnesses, trunks, and jumpers.

As each customer and project has specific needs, please add the housing that best suits your needs to the BOM:

	Part Number (Global)	Maximum Number of Modules or Panels	Maximum Fiber Density		Height
	EDGE8-01U-SP	18	LC MTP®	144 fibers 576 fibers	1U
	EDGE8-02U	36	LC MTP	288 fibers 1,152 fibers	2U
	EDGE8-04U	72	LC MTP	576 fibers 2,304 fibers	4U

Annex 2 – Polarity Drawings

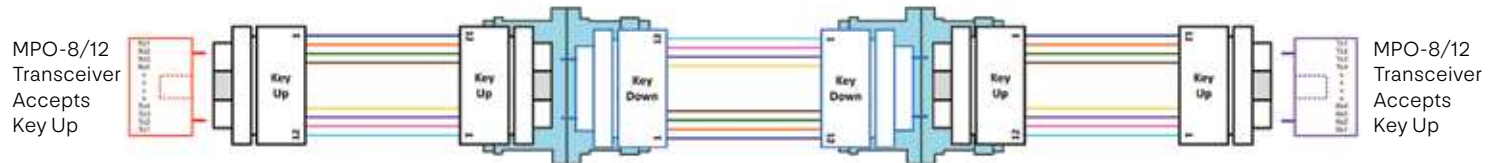
Polarity drawings, often referred to as fiber optic polarity diagrams, are essential when designing and implementing data center links using fiber optic cabling. They play a crucial role in ensuring proper connectivity, signal integrity, and compatibility between different network components.

This section will cover the specific polarity drawings applicable to each one of the scenarios previously described.

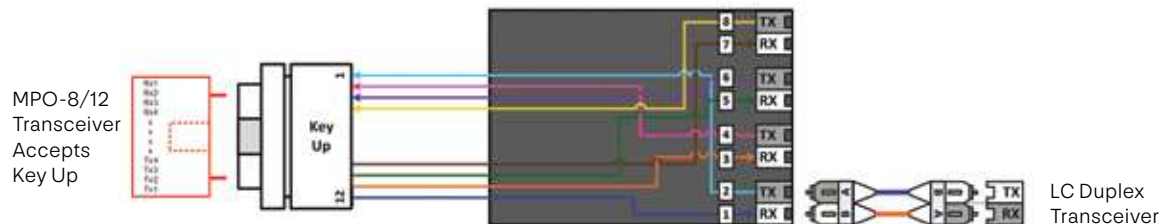
Scenario 1: MPO-8/12 to MPO-8/12 Local



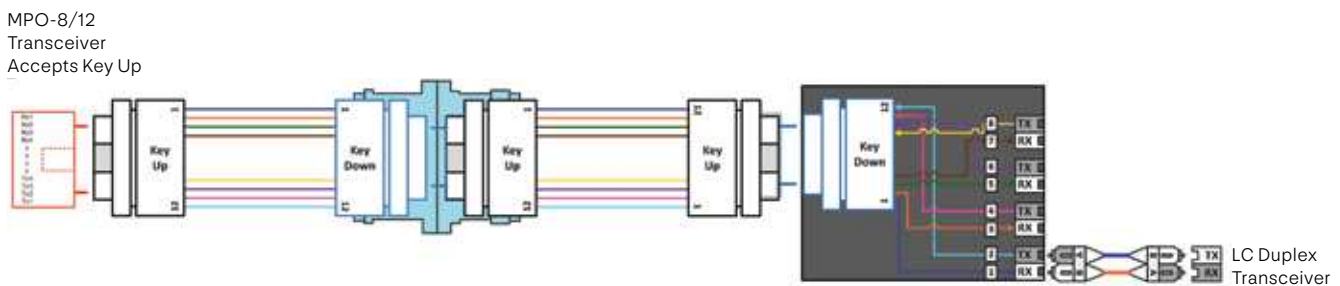
Scenario 2: MPO-8/12 to MPO-8/12 Across DC with Trunk



Scenario 3: MPO-8/12 to LC Duplex Local



Scenario 4: MPO-8/12 to LC Duplex Across DC with Trunk



Scenario 5: MPO-16 Angled to MPO-16 Angled Local

MPO-16
Transceiver
Accepts Key Up



MPO-16
Transceiver
Accepts Key Up

Scenario 6: MPO-16 Angled to MPO-16 Angled Across DC with Trunk

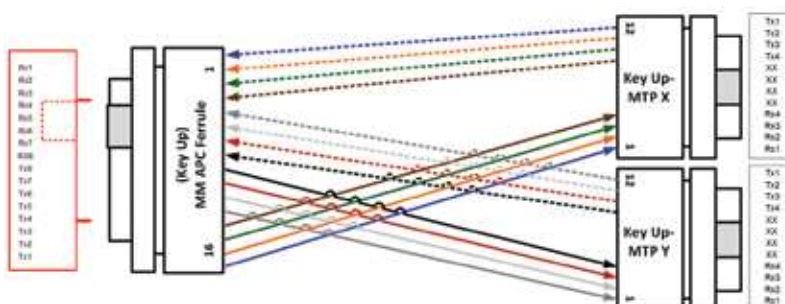
MPO-16
Transceiver
Accepts Key Up



MPO-16
Transceiver
Accepts Key Up

Scenario 7: MPO-16 Angled to MPO-8/12 Local

MPO-16
Transceiver
Accepts
Key Up



MPO-8/12
Transceiver
Accepts Key Up

MPO-8/12
Transceiver
Accepts Key Up

Scenario 8: MPO-16 Angled to MPO-8/12 Across DC with Trunk

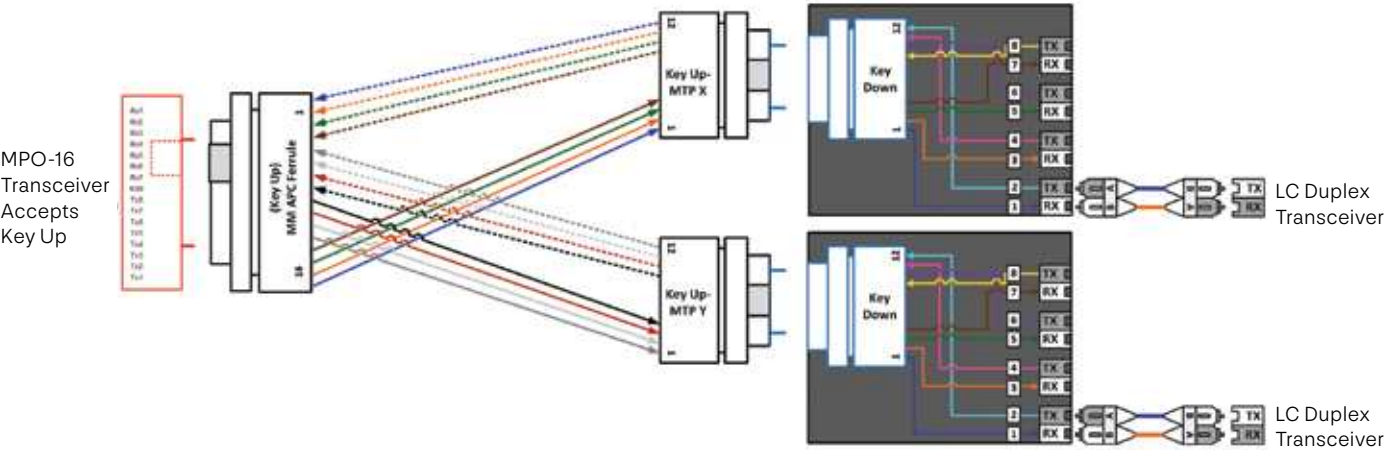
MPO-16
Transceiver
Accepts Key Up



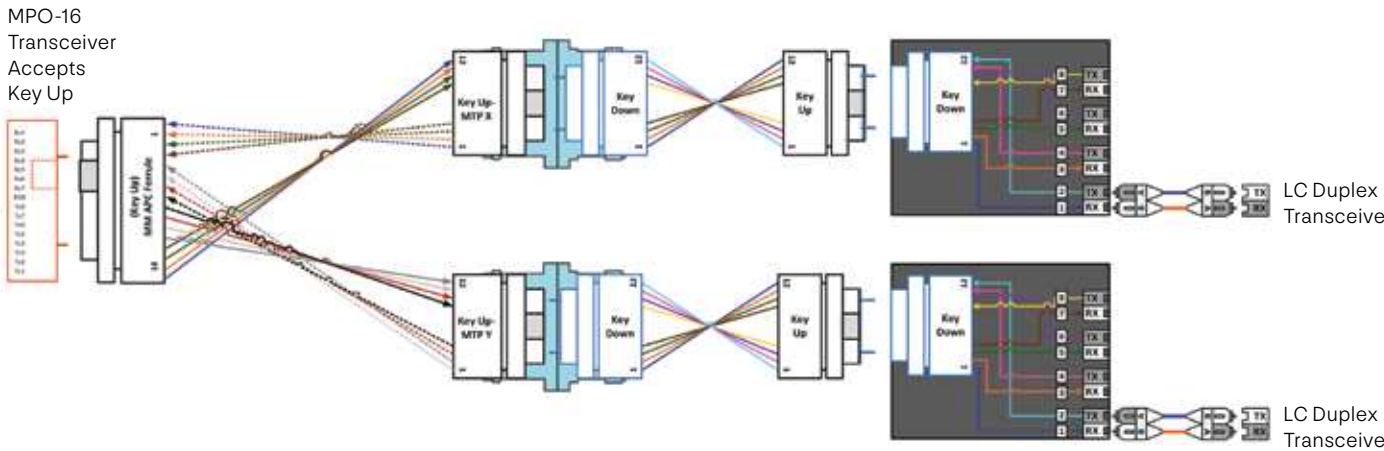
MPO-8/12
Transceiver
Accepts
Key Up

MPO-8/12
Transceiver
Accepts
Key Up

Scenario 9: MPO-16 Angled to LC Duplex Local



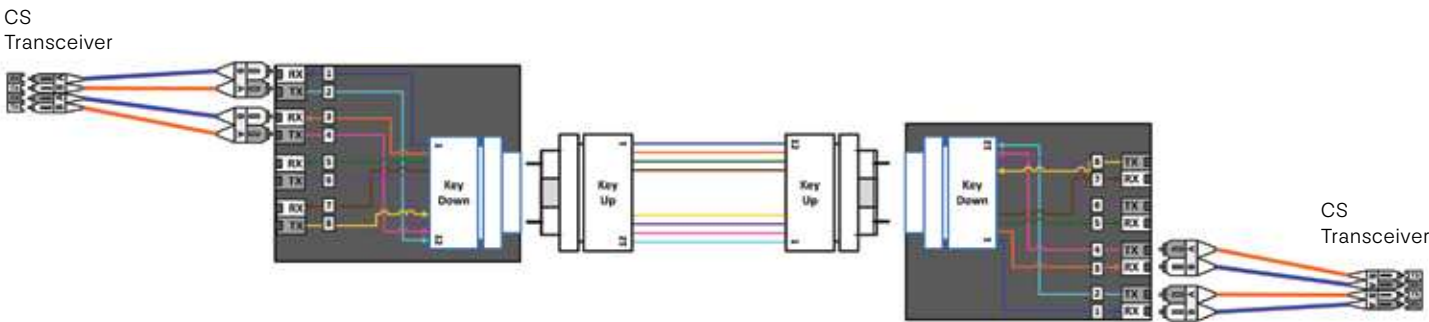
Scenario 10: MPO-16 Angled to LC Duplex Across DC with Trunk



Scenario 11: CS® to CS Local



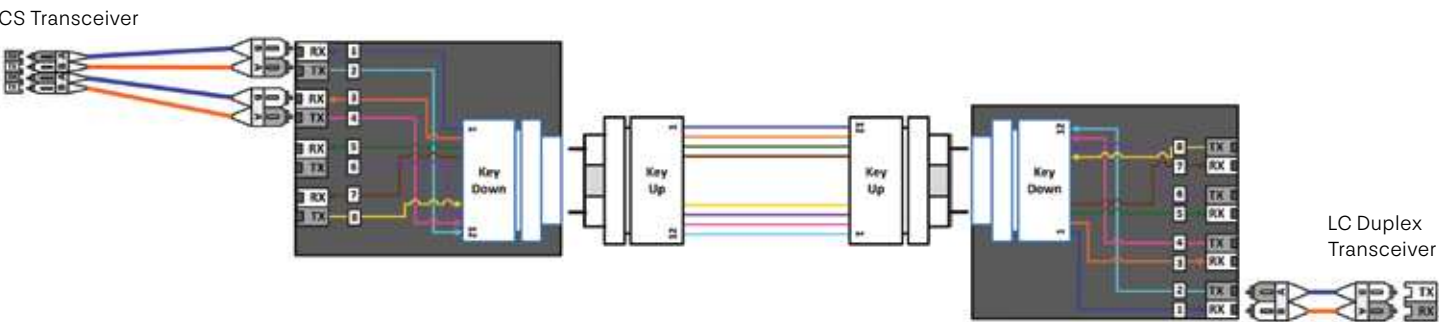
Scenario 12: CS® to CS Across DC with Trunk



Scenario 13: CS[®] to LC Duplex Local



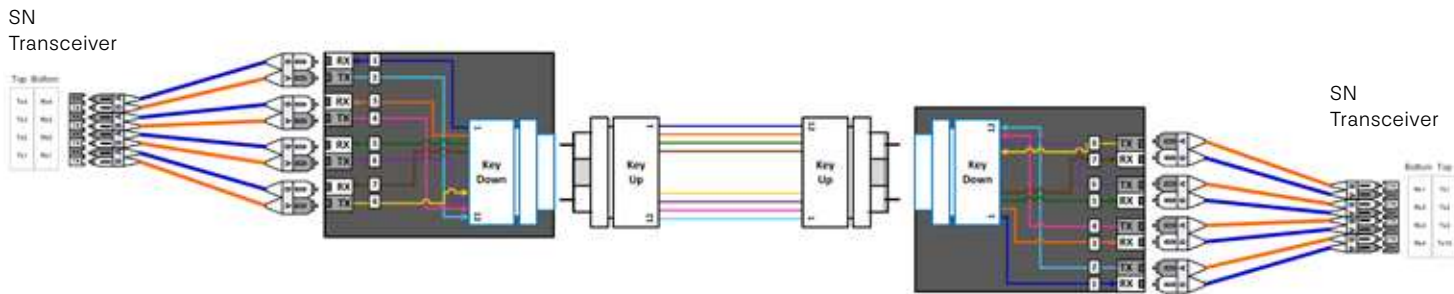
Scenario 14: CS[®] to LC Duplex Across DC with Trunk



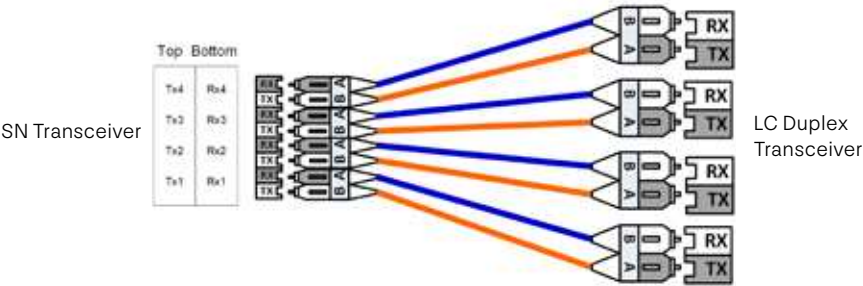
Scenario 15: SN[®] to SN Local



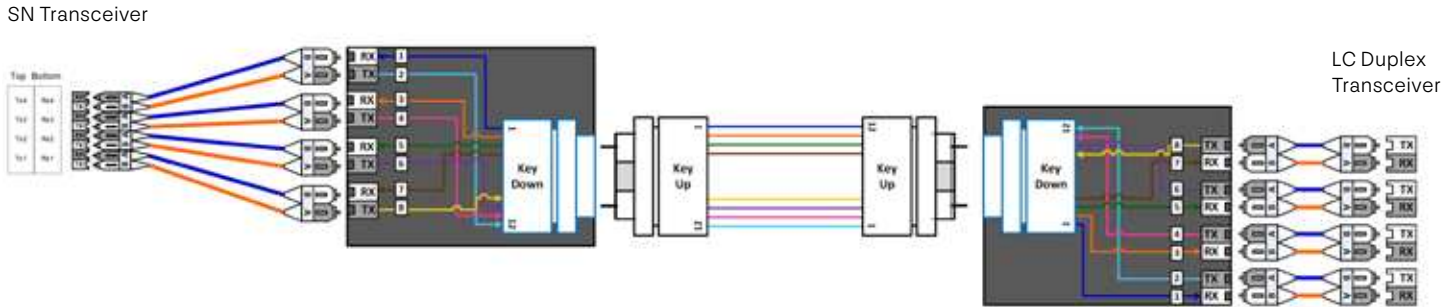
Scenario 16: SN[®] to SN Across the Data Center



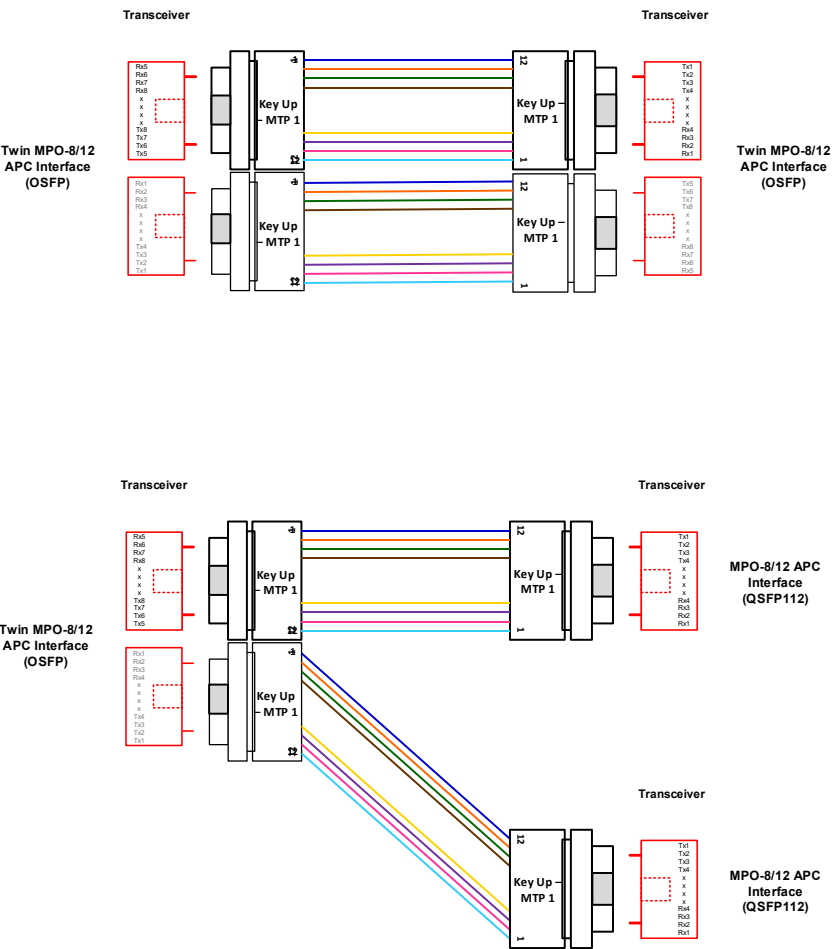
Scenario 17: SN[®] to LC Duplex Local



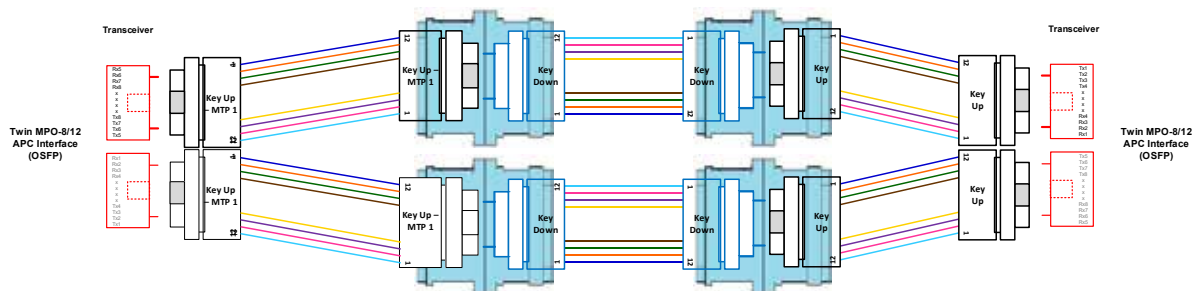
Scenario 18: SN[®] to LC Duplex Across the Data Center



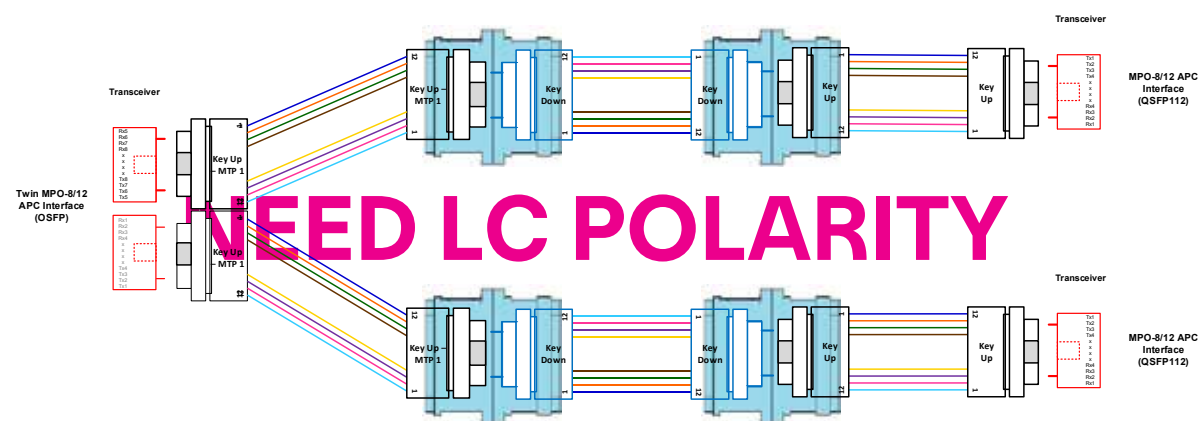
Scenario 19: 800G and 400G – Local



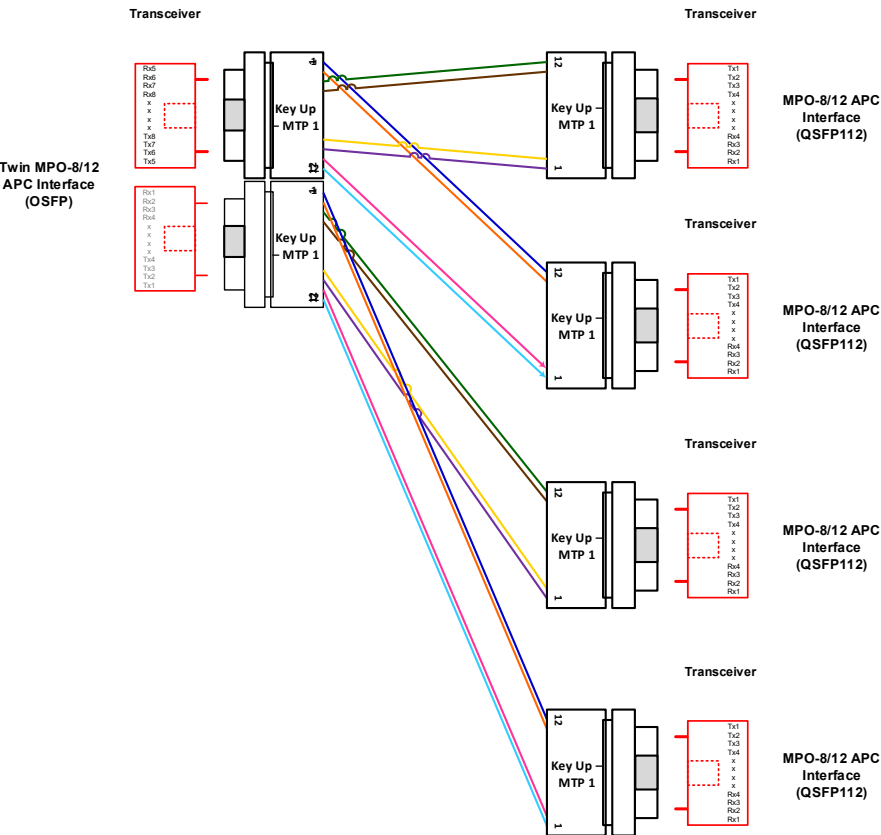
Scenario 20: 800G and 400G – Across DC with Trunk



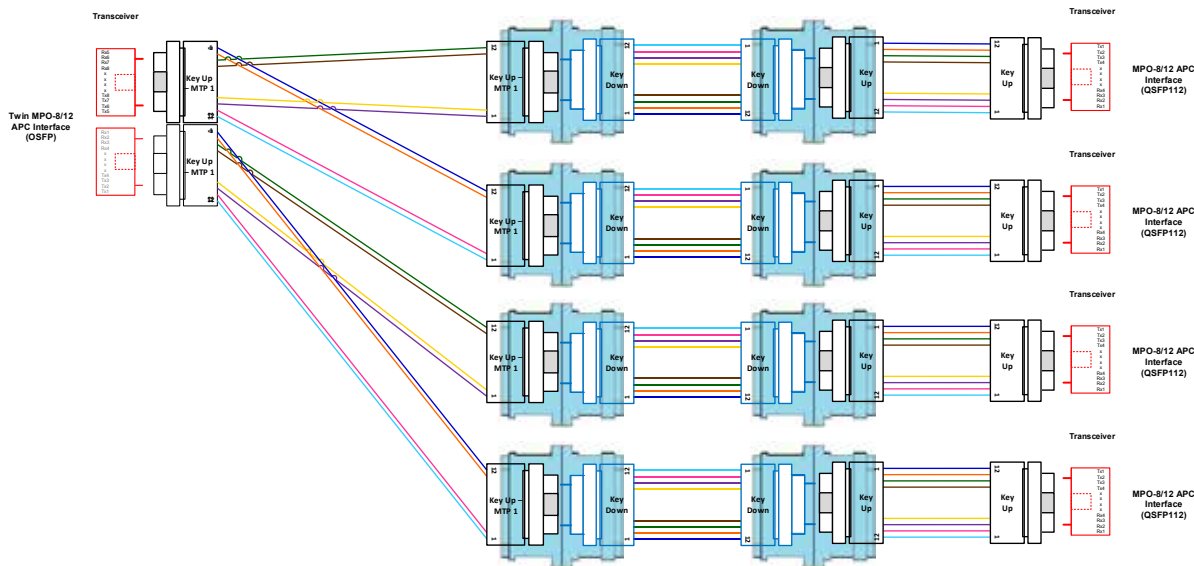
Scenario 21: 800G and 400G – Across DC with Trunk



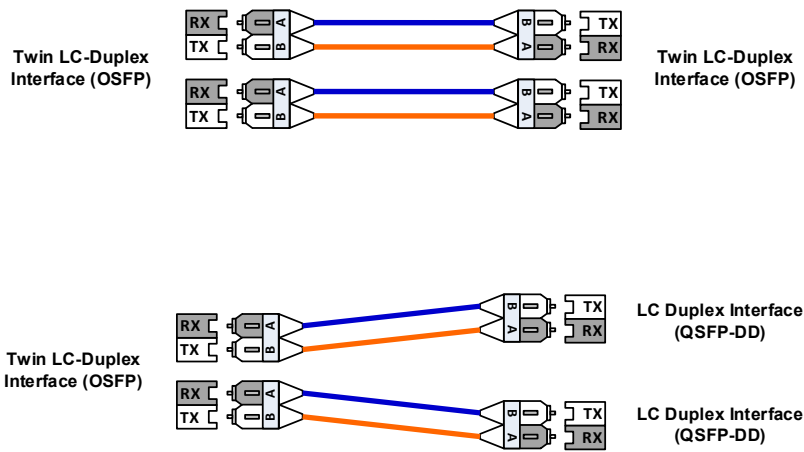
Scenario 22: 800G and 200G – Local



Scenario 23: 800G and 200G – Across DC with Trunk



Scenario 24: 800G and 400G – Local



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