

## Leviton Cabling Guide for Cisco 100G and 400G Optics



| 100G QSFP28 MODULES  |       |                     |                              |                                                           |                                                           |                                                            |                     |                                |                             |
|----------------------|-------|---------------------|------------------------------|-----------------------------------------------------------|-----------------------------------------------------------|------------------------------------------------------------|---------------------|--------------------------------|-----------------------------|
| Cisco P/N            | Media | Connector Interface | Breakout                     | Leviton Near End Cassette P/N                             | Leviton Far End Cassette P/N                              | Leviton Far End Breakout Cassette P/N                      | Breakout Lane Speed | HDX Example (Near End/Far End) | HDX Example (Breakout Side) |
| QSFP-100G-SR4-S      | MM    | MPO12               | Yes (4x25G-SR)               | <b>HDX:</b> 42NM2-S5C<br><b>e2XHD:</b> ULE2XHD-F024NHKDS5 | <b>HDX:</b> 42NM2-S5C<br><b>e2XHD:</b> ULE2XHD-F024NHKDS5 | <b>HDX:</b> 42LM2-21C<br><b>e2XHD:</b> ULE2XHD-F024CHQDS4  | 25G                 |                                |                             |
| QSFP-40/100G-SRBD    | MM    | LC                  | No                           | <b>HDX:</b> 42LM2-21C<br><b>e2XHD:</b> ULE2XHD-F024CHQES4 | <b>HDX:</b> 42LM2-21C<br><b>e2XHD:</b> ULE2XHD-F024CHQES4 | N/A                                                        | N/A                 |                                | N/A                         |
| QSFP-100G-PSM4-S     | SM    | MPO12               | Yes (4x25G-LR)               | <b>HDX:</b> U2NM2-S5C<br><b>e2XHD:</b> ULE2XHD-A024NHKDS5 | <b>HDX:</b> U2NM2-S5C<br><b>e2XHD:</b> ULE2XHD-A024NHKDS5 | <b>HDX:</b> U2LM2-21C<br><b>e2XHD:</b> ULE2XHD-A024CHLES4  | 25G                 |                                |                             |
| QSFP-100G-SM-SR      | SM    | LC                  | No                           | <b>HDX:</b> U2LM2-21C<br><b>e2XHD:</b> ULE2XHD-A024CHLES4 | <b>HDX:</b> U2LM2-21C<br><b>e2XHD:</b> ULE2XHD-A024CHLES4 | N/A                                                        | N/A                 |                                | N/A                         |
| QSFP-100G-CWDM4-S    | SM    | LC                  | No                           | <b>HDX:</b> U2LM2-21C<br><b>e2XHD:</b> ULE2XHD-A024CHLES4 | <b>HDX:</b> U2LM2-21C<br><b>e2XHD:</b> ULE2XHD-A024CHLES4 | N/A                                                        | N/A                 |                                | N/A                         |
| 400G QSFP-DD MODULES |       |                     |                              |                                                           |                                                           |                                                            |                     |                                |                             |
| Cisco P/N            | Media | Connector Interface | Breakout                     | Leviton Near End Side Cassette P/N                        | Leviton Far End Cassette P/N                              | Leviton Far End Breakout Side Cassette P/N                 | Breakout Lane Speed | HDX Example (Near End/Far End) | HDX Example (Breakout Side) |
| QDD-400G-SR4-BD      | MM    | MPO12               | Yes (4x40/100G-SRBD)         | <b>HDX:</b> 5FUHD-6MB<br><b>e2XHD:</b> E2XHD-4MB          | <b>HDX:</b> 5FUHD-6MP<br><b>e2XHD:</b> E2XHD-4MP          | <b>HDX:</b> 42LM2-21C<br><b>e2XHD:</b> ULE2XHD-F024CHQDS4  | 100G                |                                |                             |
| QDD-400G-DR4-S       | SM    | MPO12               | Yes (4x100G-DR)              | <b>HDX:</b> U2NM2-S5C<br><b>e2XHD:</b> ULE2XHD-A024NHKDS5 | <b>HDX:</b> U2NM2-S5C<br><b>e2XHD:</b> ULE2XHD-A024NHKDS5 | <b>HDX:</b> U2LM2-21C<br><b>e2XHD:</b> ULE2XHD-A024CHLES4  | 100G                |                                |                             |
| QDD-4X100G-FR-S      | SM    | MPO12               | Yes (4x100G-FR)              | <b>HDX:</b> U2NM2-S5C<br><b>e2XHD:</b> ULE2XHD-A024NHKDS5 | <b>HDX:</b> U2NM2-S5C<br><b>e2XHD:</b> ULE2XHD-A024NHKDS5 | <b>HDX:</b> U2LM2-21C<br><b>e2XHD:</b> ULE2XHD-A024CHLES4  | 100G                |                                |                             |
| QDD-400G-FR4-S       | SM    | LC                  | No                           | <b>HDX:</b> U2LM2-21C<br><b>e2XHD:</b> ULE2XHD-A024CHLES4 | <b>HDX:</b> U2LM2-21C<br><b>e2XHD:</b> ULE2XHD-A024CHLES4 | N/A                                                        | N/A                 |                                | N/A                         |
| QDD-2x100-SR4-S      | MM    | MPO24               | Yes (8x25G-SR or 2x100G-SR4) | <b>HDX:</b> 5FUHD-6MB<br><b>e2XHD:</b> E2XHD-4MB          | N/A                                                       | <b>HDX:</b> 42LM2-400C<br><b>e2XHD:</b> ULE2XHD-F024CHQDS9 | 25G or 100G         |                                |                             |
| QDD-4X100G-LR-S      | SM    | MPO12               | Yes (4x100G-LR)              | <b>HDX:</b> U2NM2-S5C<br><b>e2XHD:</b> ULE2XHD-A024NHKDS5 | N/A                                                       | <b>HDX:</b> U2LM2-21C<br><b>e2XHD:</b> ULE2XHD-A024CHLES4  | 100G                |                                |                             |
| QDD-2x100-CWDM4-S    | SM    | 2 x CS              | Yes (2x100G-CWDM4)           | <b>HDX:</b> U2LM2-21C<br><b>e2XHD:</b> ULE2XHD-A024CHQES4 | <b>HDX:</b> U2LM2-21C<br><b>e2XHD:</b> ULE2XHD-A024CHQES4 | <b>HDX:</b> U2LM2-21C<br><b>e2XHD:</b> ULE2XHD-A024CHQES4  | 100G                |                                |                             |

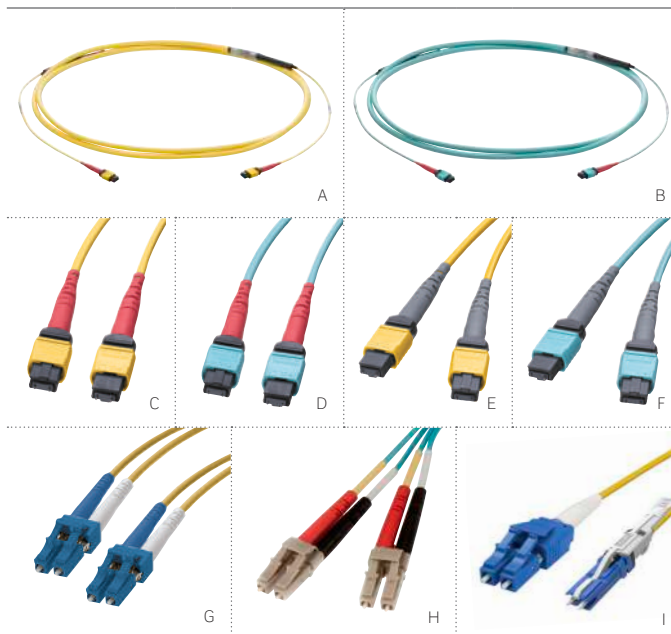
Note: Above does not include Long Reach and Extended Reach Modules (LR4, ER4)

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### BASIC CABLING COMPONENTS

| Description            | Leviton P/N                  |     |
|------------------------|------------------------------|-----|
| 24F MTP-MTP Trunk, SM  | FTU-AW4024JJxxxF36C36CN-NNBS | [A] |
| 24F MTP-MTP trunk, OM4 | FTU-FW4024JJxxxF36C36CN-NNBS | [B] |
| 24F Array cord, SM     | ULUP4JJ-B0xxF                | [C] |
| 24F Array cord, OM4    | 544JJ-B0xxF                  | [D] |
| 8F Array cord, SM      | UP8MM-B0xxF                  | [E] |
| 8F Array cord, OM4     | 548MM-B0xxF                  | [F] |
| LC-LC Patch Cord, SM   | PCF-S2PD1RR-xxxxMAB          | [G] |
| LC-LC Patch Cord, OM4  | PCF-M4PD1RR-xxxxMAB          | [H] |
| CS - LC Patch Cord, SM | FPC-S2PR2VJ-yyyMAB           | [I] |



xx = Length in feet (Ex. "50" is 50Ft overall length)

xxx = Length in feet (Ex. "050 is 50Ft overall length)

xxxx = Length in feet (Ex. "0500 is 50Ft in overall length, "0505" is 50.5Ft in overall length)

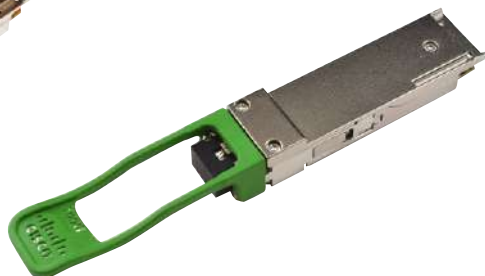
yyy = Length in meters: 1 (001), 2 (002), 3 (003), 5 (005), 10 (010)

Trunk Fiber Count: replace "024" in part number with 012, 048, 096, or 144

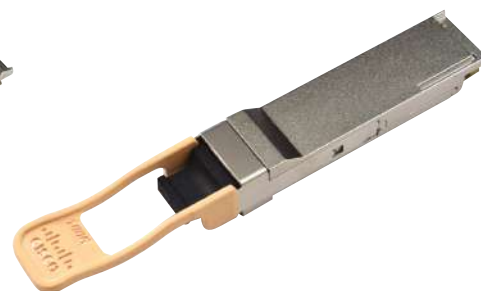
### CISCO TRANSCEIVER EXAMPLES



QSFP-40/100-SRBD



QSFP-100G-CWDM4-S



QSFP-100G-SR4-S