

## Tip

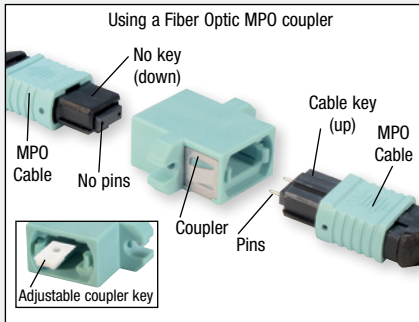
# Should my MPO cables be straight or cross wired?

Straight through wiring is typically used for connecting patch panels as this carries through your existing wiring.

Crossover is generally used for connecting transceivers, switches or other electronic devices such as QSFP 40Gbase applications and parallel optics.

L-com's FOA-MPO and FOA-MPOF utilize a polarization key. This key can easily switch the couplers from straight wired (up/down) to crossed (up/up) or vice versa. See picture immediately right.

Remember that when coupling two MPO cables, one connector must be male (with guide pins) and one must be female (without guide pins).



**Example:** Key up to key down for straight wiring.

STRAIGHT  
Key up to  
key down

1	1
2	2
3	3
•	•
•	•
•	•
10	10
11	11
12	12

CROSSED  
Key up to  
key up

1	12
2	11
3	10
•	•
•	•
•	•
10	3
11	2
12	1