

## AOC DATA SHEET

# 25G Active Optical Cables



Champion ONE's 25G Active Optical Cables (AOCs) fill the need for short-range, cost-effective connectivity. In high-capacity interconnections, AOCs provide a power-efficient, easy-to-use replacement for optical transceivers and fiber jumper cables. These cables are fully compliant with EEPROM and memory map requirements to assure proper system identification and interoperability.

Champion ONE offers both straight SFP28 and breakout cables with 4x25G SFP28 optics at one end for breakout/aggregation applications.

## Technical Specifications

### STANDARDS AND REGULATORY COMPLIANCE

RoHS compliant  
IEEE802.3bm  
QSFP28 MSA  
SFP28 MSA

### PROTOCOLS AND DATA RATES

25G Ethernet  
Infiniband EDR

### DIMENSIONS

LxWxH (mm): 58.4 (122 incl. pull ring) x 13.5 x 8.5  
1m to 100m multimode fiber

### CONNECTOR

Cables terminate with their respective form factors.

### WARRANTY

All feature a limited lifetime warranty.

### NOTES

See page 2 for programming compatibility capabilities.

| C1 Part Number <sup>1</sup>            | Transmit Wavelength (nm) | Fiber Type | Standard Rated Distance (m) <sup>2</sup> | Temp Range (°C) | Description  | Max Power Consumption (W)       |
|--|--------------------------|------------|--|-----------------|--|---------------------------------|
| <b>25G ETHERNET</b>                    |                          |            |  |                 |  |                                 |
| CAB-SFP25-SFP25-AOC-xM-C1              | 850                      | MMF        | x = 1,2,3,5,10,20,30,50,100              | 0 to 70         | SFP28 to SFP28 Active Optical Cable, xx meters             | 1.0                             |
| <b>100G ETHERNET TO 4X25G ETHERNET</b> |                          |            |  |                 |  |                                 |
| CAB-QSFP28-4SFP25G-AOC-xM-C1           | 850                      | MMF        | x = 1,2,3,4,5,6,7,8,9,10,20,30           | 0 to 70         | QSFP28 to 4xSFP28 Breakout Active Optical Cable, xx meters | 1.0 (per SFP28)<br>2.5 (QSFP28) |

- These part numbers are for **Passport** universal cables, which can be used across multiple platforms and open systems. For programmed options, please refer to page 2.
- Custom lengths are available in whole meter increments between the standard minimum and maximum length.

## Ordering Information: Programmed Cables

To order a cable programmed for use in a specific system, simply add “-C1” to the end of your network platform part number. For example, to order a 3m AOC programmed for 100% Cisco compatibility, your C1 part number will be **SFP-25G-AOC3M-C1**.

The technical specifications listed on page 1 will be the same for all programmed options.

## Ordering Information: Multi-Vendor Programmed Cables

For multi-vendor environments that require programming for one-to-one compatibility, please use the following scheme:

### PART NUMBER SCHEME:

QSFP100G-XX<sub>1</sub>XX<sub>2</sub>-AOC-YM-C1

Q100X25G-XX<sub>1</sub>XX<sub>2</sub>-AOC-YM-C1

| XX <sub>N</sub> | Vendor Brand |    |             |
|-----------------|--------------|----|-------------|
| AC              | Accedian     | F5 | F5 Networks |
| AD              | Adtran       | FN | Fortinet    |
| AL              | Alcatel      | HP | HP          |
| AN              | Arista       | IB | IBM         |
| AR              | Aruba        | IN | Intel       |
| AV              | Avaya        | JN | Juniper     |
| BC              | Broadcom     | LN | Lenovo      |
| BR              | Brocade      | MK | Meraki      |
| CX              | Calix        | MX | Mellanox    |
| CS              | Cisco        | NP | NetApp      |
| CD              | Cohesity     | NX | Nutanix     |
| DF              | Dell         | PA | Palo Alto   |
| EN              | Enterasys    | RB | Rubrik      |
| EX              | Extreme      | XN | Xilinx      |

| Y   | Cable Length |
|-----|--------------|
| 50C | 50 cm        |
| 1   | 1 m          |
| 2   | 2 m          |
| 3   | 3 m          |
| 4   | 4 m          |
| 5   | 5 m          |