

## 25G SFP28 Active Optical Cables (AOC)

### DESIGNED FOR USE IN 25GB/S DATA RATE LINKS. COMPLIANT WITH 25G ETHERNET AND CPRI10.

Amphenol's 25G SFP28 optical modules include AOC series, which are compatible with IEEE802.3by and IEEE802.3cc. They are compliant with SFP28 MSA, SFF-8431 and SFF-8432, it is mainly used in 25G data center internal network, wireless, metropolitan area network and other environments. The transceiver is RoHS compliant and per Directive 2011/65/EU.

- Low power, power dissipation
- Metal enclosure for lower EMI
- 2-wire interface with integrated digital diagnostic monitoring
- Electrically hot-pluggable
- Compliant with 25G Ethernet
- Available in lengths from 1 – 100 meters

#### FEATURES

- Up to 28Gb/s data links
- Metal enclosure for lower EMI
- Compliant with 25G Ethernet
- Low power dissipation
- Case operating temperature range 0°C to 70°C / 0°C to 85°C
- Compliant with ROHS 2.0
- Compliant with SFF 8431 & SFF-8432



#### BENEFITS

- VSCEL laser and PIN receiver
- Link length of 70m on OM3 and 100m on OM4 multimode fiber
- Electrical interface compliant to SFF-8431
- Electrically hot-pluggable
- Power dissipation < 1.0W
- 2-wire interface with integrated digital diagnostic monitoring
- Single 3.3V power supply

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### TECHNICAL INFORMATION

#### ELECTRICAL PERFORMANCE

- SFF-8431

#### MECHANICAL PERFORMANCE

- SFF-8432

#### SPECIFICATIONS

- IEEE802.3cc

#### ENVIRONMENTAL

- Case Operating Temperature Range: 0°C to 70°C / -40°C to 85°C

#### APPROVALS & CERTIFICATION

UL, TUV

#### TARGET MARKETS/APPLICATIONS



Data Center

### PART NUMBERS

Description	Part Numbers
28Gb/s SFP28 Active Optical Cable	AXP85B1-XXX

Find part number details using the search box on [www.amphenol-cs.com](http://www.amphenol-cs.com)

### KEY PARAMETER SPECIFICATIONS

Product Name	Part Number	Package	Interface	Reach	Fiber Type	Wavelength	Rate	Tx Output	Rx Input	Power Consumption	Temp
25G AOC	AXP85B1-XXX	SFP28	AOC	1-100m	MMF	850nm	25Gb/s	-	-	≤1.0W	0~70

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